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सत्यमेव जयते

भारत सरकार - रेल मंत्रालय  
अनुसंधान, अभिकल्प और मानक संगठन  
लखनऊ- 226 011

Government of India - Ministry of railways  
Research, Designs & Standards Organization,  
Lucknow - 226 011

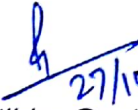
No. EL/3.2.108 (Lube)

Date: 27.10.2017

Chief Electrical Engineer,  
Northern Railway, Baroda House,  
New Delhi-110 001

**Sub:** Minutes of the Meeting held at RDSO on 24.10.2017 regarding development of Indigenous Gear case oil 'Servosyngear 460 RR' for WAP-5 three phase Electric locomotives.

A meeting was held at Electrical directorate of RDSO on 24.10.2017 regarding development of Indigenous Gear case oil 'Servosyngear 460 RR' for WAP-5 Electric locomotives. The copy of minutes of meeting for the same is enclosed for information and necessary action.

  
27/10/17

(Pratibha Gupta)

for Director General/ Electrical

Encls: Minutes of Meeting

Copy to: (i) M/s Indian Oil Corporation Limited, U.P. State Office-1, Indian oil Bhavan, TC 39-V, Vibhuti Khand, Gomti Nagar, Lucknow- 226 010  
(ii) Sr. DEE (RS), Electric Loco Shed, Northern Railway, Ghaziabad- 201 001

-For information and necessary action please

**Minutes of Meeting held in chamber of Sr. EDSE at RDSO on 24.10.2017 for development of indigenous Gear case oil 'Servosyn Gear 460 RR' For WAP-5 Electric Locomotives.**

S.no.	Name	Railways/Firm
1	Sri. O. P. Kesari / Sr.EDSE (Co-ord)	RDSO
2	Smt. Pratibha Gupta /Jt. Director (C&S)	RDSO
3	Shri .Girraj kishore /ADE (C&S)	RDSO
4	Shri. Rajiv Kumar /JE/D/Elect.	RDSO
5	Shri K. S. Pangtey	DGM(ILS)/IOCL
6	Dr. J. N. Pandey	DGM(R&D)/IOCL
7	Shri H. S. Negi	Sr. Manager (TS)/IOCL
8	Shri K. K. Singh	IOCL

1. No representative from ELS/GZB attended the meeting.
2. Since Observation regarding the performance of the oil after trial has not received from ELS/GZB till date, so it cannot be commented upon whether to use Servosyn Gear 460 RR oil or not.
3. M/s IOCL stated that. Servosyn Gear 460 RR' gear case oil is a synthetic based lubricant and existing M/s Castrol make Optimal Optigear 220' is mineral based oil. As per M/s IOCL performance of Servosyn Gear 460 RR' of gear case oil is found better compare to M/s Castrol make optimal Optigear 220' during the field trial also degradation is found less in Servosyn Gear 460 RR' of gear case oil compared to M/s Castrol make optimal Optigear 220'.
4. Firm representative stated that in similar type fully suspended gear case of also servosyn gear 460 RR' oil is being used motive power directorate of RDSO has approved for changing of oil Optimal Optigear 220 oil to servosyn gear 460 RR' oil. It was decided that Evaluation of decision taken by Motive Power directorate will be done.
5. It was noted that as per the trial scheme trial of Servosyn Gear 460 RR oil was to be done in two locomotives, but trial is done in one locomotive only. So it was decided to do the trial in one more WAP-5 locomotive.
6. During the trial review meeting will be done in every 3 month involving official of RDSO, ELS/GZB and M/s IOCL.
7. Report of oil testing should be submitted by M/s IOCL within 2 weeks of sample collection.
8. Observation about the performance of oil from ELS/GZB should be sent within 2 weeks of completion of trial.