OIL ANALYSIS REPORT

RICHARD FORTIER VOLVO PENTA A272704 - STARBOARD DIESEL ENGINE

Sample No: VPA048259

Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

mple Number		VPA048259	VPA035692	
mple Date		24 Oct 2023	28 Oct 2022	
achine Hours		522	490	
l Hours		35	25	
l Changed		Not Changd	Not Changd	
mple Status		NORMAL	NORMAL	
DIL CONDITION				
sc @ 100°C	cSt	■ 14.0	13.5	
se Number (BN)	mg KOH/g	8.8	10.6	
idation (PA)	%	61	53	
ONTAMINATION				
ater	%	NEG	NEG	
ot %	%	0.1	0.1	
tration (PA)	%	43	41	
lfation (PA)	%	54	51	
/col	%	NEG	NEG	
el	%	<1.0	<1.0	
con	ppm	4	4	
dium	ppm	0	2	
assium	ppm	7	1	
EAR METALS				
n	ppm	8	6	
pper	ppm	2	1	
d	ppm	0	0	
	ppm	0	0	
ninum	ppm	1	0	
omium	ppm		<1	
lybdenum	ppm	∎15	57	
kel	ppm		0	
anium	ppm	□ <1	0	
er	ppm	0	0	
nganese	ppm	0	0	
nadium	ppm	0	0	
DDITIVES				
lcium	ppm	1806	1087	
agnesium	ppm	226	887	
c	ppm	1109	1230	
osphorus	ppm	966	1022	
ium	ppm	0	0	
on	ppm	□ 167	5	

Power Products Systems LLC

90 Bay State Road WAKEFIELD, MA US 01880 Contact: ERIC JELLISON ejellison@nedda.com T: (781)831-8924 F:

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Contact/Location: ERIC JELLISON - VP153550

Report Date:

VP153550

10750533

Sean Felton

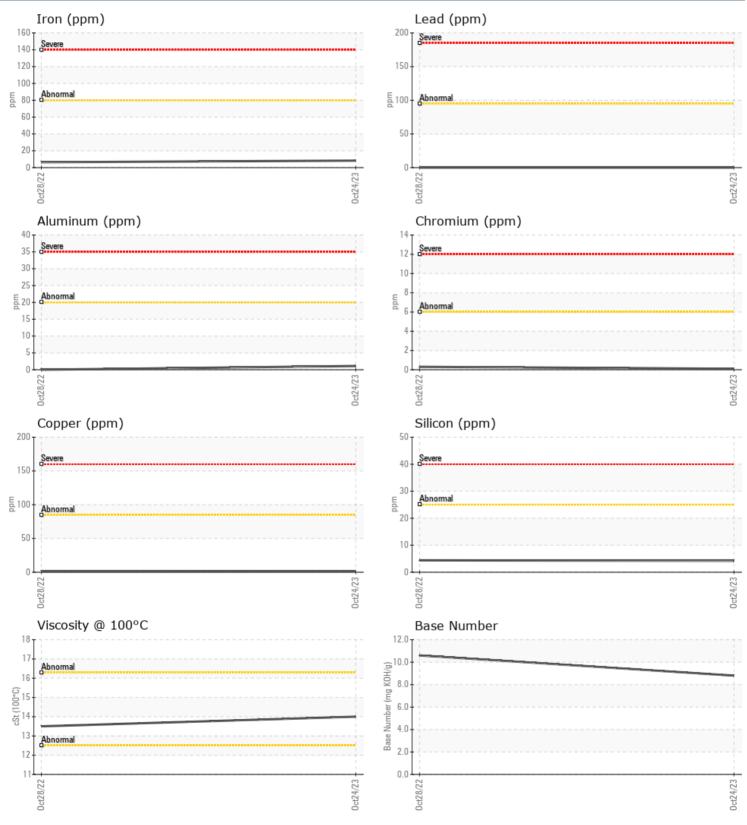
21 Nov 2023



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GRAPHS



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Contact/Location: ERIC JELLISON - VP153550