OIL ANALYSIS REPORT

VOLVO PENTA D3220I-G A245663 - DIESEL ENGINE

Sample No: VPA051555

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

ample Number		VPA051555	VPA015690	
ample Date		28 Mar 2024	21 Sep 2017	
lachine Hours		1488	465	
)il Hours		0	22	
il Changed		Not Changd	Not Changd	
ample Status		NORMAL	NORMAL	
OIL CONDITION				
′isc @ 100°C	cSt	13.3	13.97	
ase Number (BN)	mg KOH/g	8.8		
xidation (PA)	%	58	48	
ONTAMINATION				
'ater	%	NEG	NEG	
oot %	%	0.3	0	
litration (PA)	%	63	50	
ulfation (PA)	%	54	47	
ilycol	%	NEG	NEG	
uel	%	<1.0	<1.0	
licon	ppm	11	6	
odium	ppm	6	4	
otassium	ppm	7	12	
VEAR METALS				
on	ppm	27	19	
opper	ppm	7	5	
ad	ppm	0	 <1	
ı	ppm	1	0	
uminum	ppm	4	3	
nromium	ppm	1	1	
lolybdenum	ppm	38	16	
ickel	ppm	 <1	1	
tanium	ppm	2	 < 1	
ver	ppm	 <1	0	
anganese	ppm	 <1	 < 1	
nadium	ppm	0	0	
ADDITIVES				
alcium	ppm	1639	1206	
agnesium	ppm	569	618	
าด	ppm	1093	785	
osphorus	ppm	952	706	
irium	ppm	0	0	
oron	ppm	298	137	

Northwest Diesel Power

1325 ROEDER AVE SUITE 103 BELLINGHAM, WA US 98225 Contact: BRANDON ROBERTSON parts@nwdieselpower.com T:

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.

Report Date:

VP759009

10955477

Don Baldridge

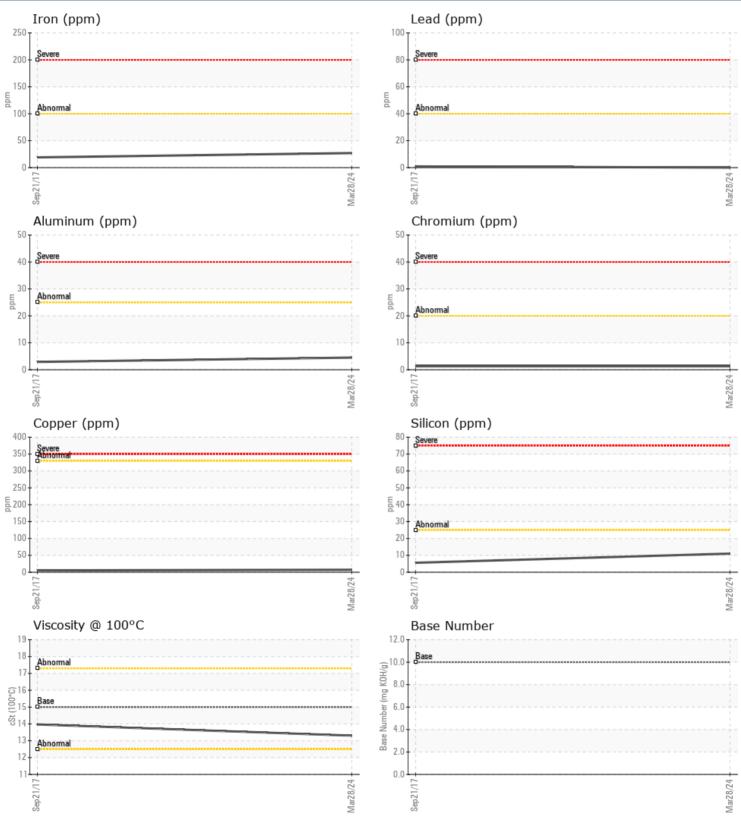
04 Apr 2024



OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: BRANDON ROBERTSON - VP759009