OIL ANALYSIS REPORT

MARK TOMINGAS 7716487 VOLVO PENTA A1130400 - CENTER DIESEL ENGINE

Sample No: VPA050501

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number		VPA050501	 	
Sample Date		21 Aug 2023	 	
Machine Hours		210	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	12.8	 	
Base Number (BN)		9.7	 	
. ,	mg KOH/g %	78		
Oxidation (PA)	70	78	 	
CONTAMINATION				
CONTREMATION				
Soot %	%	0.6	 	
Nitration (PA)	%	55	 	
Sulfation (PA)	%	61	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	24	 	
Sodium	ppm	5	 	
Potassium	ppm	1	 	
WEAR METALS				

Iron	ppm	42	 	
Copper	ppm	39	 	
Lead	ppm	21	 	
Tin	ppm	4	 	
Aluminum	ppm	25	 	
Chromium	ppm	4	 	
Molybdenum	ppm	39	 	
Nickel	ppm	8	 	
Titanium	ppm	□ <1	 	
Silver	ppm	1	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	

ADDITIVES

Calcium	ppm	1733	 	
Magnesium	ppm	509	 	
Zinc	ppm	🔲 1158	 	
Phosphorus	ppm	947	 	
Barium	ppm	□ <1	 	
Boron	ppm	51	 	

Pacific Power Group - VP981534

7215 S 228th St Kent, WA US 98032 Contact: PAT RYAN pryan@pacificpowergroup.com T: (253)520-5163 F:

Diagnosis

Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. 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.

 Depot:
 VP99031103

 Unique No:
 10635595

 Signed:
 Don Baldridge

 Report Date:
 10 Sep 2023

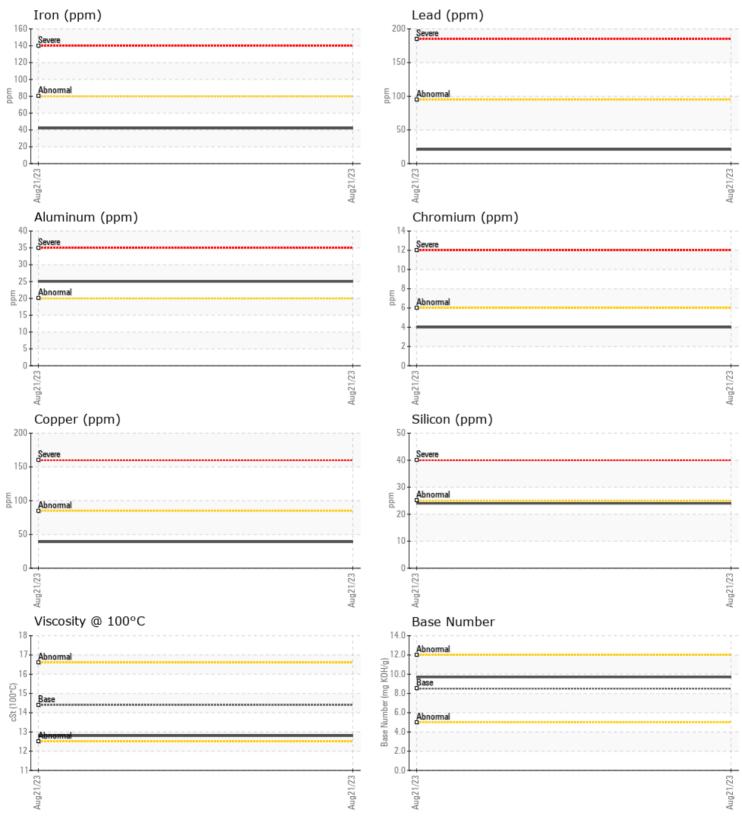
Contact/Location: PAT RYAN - VP99031103



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GRAPHS



Report Id: VP99031103 [WUSCAR] 05944983 (Generated: 09/10/2023 13:43:45) Rev: 1

Contact/Location: PAT RYAN - VP99031103