



GIMPLE GIMPLE VOLVO PENTA 70112030107 - PORT DIESEL ENGINE

Sample No: VPA058285
Oil Type: {unknown}

SAMPLE INFORMAT	TION			
Sample Number		VPA058285	 	
Sample Date		30 Apr 2024	 	
Machine Hours		0	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		MARGINAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	10.66	 	
Base Number (BN)	mg KOH/g	7.6	 	
Oxidation (PA)	%	55	 	
CONTAMINATION				
	0/	1156		
Water	%	NEG	 	
Soot %	%	■ 0.1	 	
Nitration (PA)	%	62	 	
Sulfation (PA)	%	49	 	
Glycol	%	NEG	 	
Fuel	%	■2.5	 	
Silicon	ppm	<u>▲</u> 38	 	
Sodium Potassium	ppm	3	 	
Potassium	ppm	4	 	
WEAR METALS				
Iron	ppm	13	 	
Copper	ppm	71	 	
Lead	ppm	2	 	
Tin	ppm	2	 	
Aluminum	ppm	4	 	
Chromium	ppm	2	 	
Molybdenum	ppm	■80	 	
Nickel	ppm	■<1	 	
Titanium	ppm	■<1	 	
Silver	ppm	■<1	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1876	 	
Magnesium	ppm	201	 	
Zinc	ppm	1122	 	
Phosphorus	ppm	■916	 	
Barium	ppm	■0	 	
Boron	ppm	60	 	

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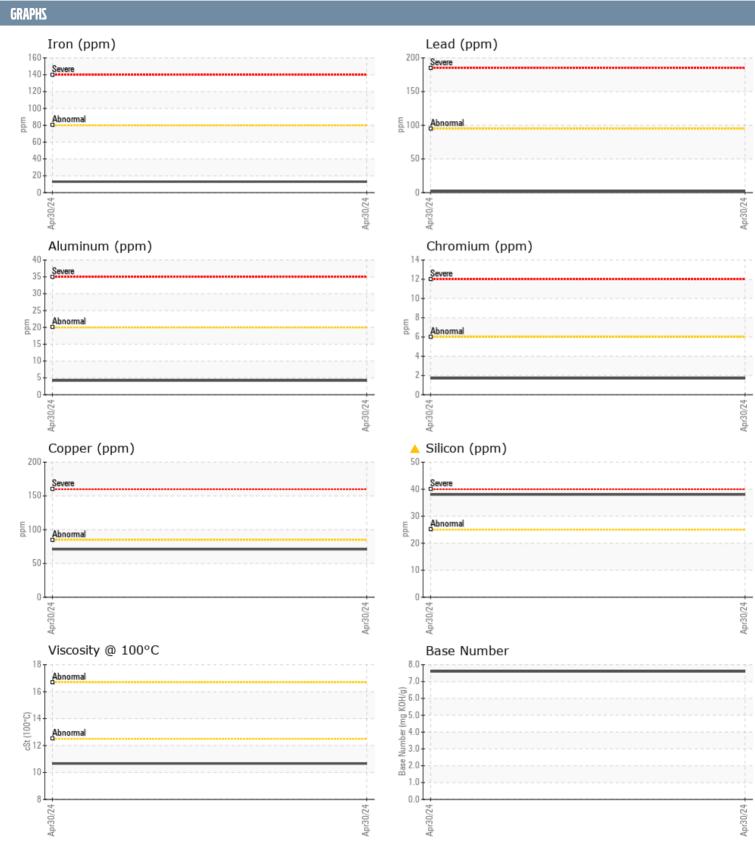
Diagnosis

No corrective action is recommended at this time. All component wear rates are normal. Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type. The condition of the oil is acceptable for the time in service.

Depot:VP867279Unique No:11019150Signed:Doug BogartReport Date:09 May 2024

OIL ANALYSIS REPORT









GIMPLE GIMPLE VOLVO PENTA 70112030107 - PORT IPS

Sample No: VPA046880
Oil Type: {unknown}

Sample Number	SAMPLE INFORMA	ATION			
Sample Date 30 Apr 2024	Sample Number		VPA046880	 	
Machine Hours 0			30 Apr 2024	 	
Oil Changed Sample Status N/A NORMAL	•			 	
Sample Status NORMAL	Oil Hours		0	 	
OIL CONDITION Vise @ 40°C CSt 103.3	Oil Changed		N/A	 	
Visc @ 40°C cSt 103.3 <th< th=""><th>Sample Status</th><th></th><th>NORMAL</th><th> </th><th></th></th<>	Sample Status		NORMAL	 	
CONTAMINATION	OIL CONDITION				
Water % NEG <td>Visc @ 40°C</td> <td>cSt</td> <th>103.3</th> <td> </td> <td></td>	Visc @ 40°C	cSt	103.3	 	
Silicon ppm 5 </td <td>CONTAMINATION</td> <td></td> <th></th> <td></td> <td></td>	CONTAMINATION				
Silicon ppm 5 </td <td>Water</td> <td>%</td> <th>NEG</th> <td> </td> <td></td>	Water	%	NEG	 	
Sodium ppm 1			5	 	
Potassium ppm 2 WEAR METALS PQ 16 Iron ppm 12 Copper ppm 2 Lead ppm <1	Sodium		1	 	
WEAR METALS PQ 16 Iron ppm 12 Copper ppm 2 Lead ppm <1	Potassium			 	
Iron	WEAR METALS				
Copper ppm 2 <td>PQ</td> <td></td> <th>16</th> <td> </td> <td></td>	PQ		16	 	
Lead ppm <1		ppm		 	
Tin ppm <1	Copper	ppm	2	 	
Aluminum ppm 2 Chromium ppm <1 Molybdenum ppm <1 Nickel ppm <1 Titanium ppm <1 Silver ppm 0 Manganese ppm 2 Vanadium ppm 0 ADDITIVES Calcium ppm 22 Magnesium ppm 135 Zinc ppm 8 Phosphorus ppm 1305		ppm	-	 	
Chromium ppm <1		ppm	· -	 	
Molybdenum ppm <1		ppm	_	 	
Nickel ppm <1 Titanium ppm <1			_	 	
Titanium ppm <1		ppm		 	
Silver ppm 0 Manganese ppm 2 Vanadium ppm 0 ADDITIVES Calcium ppm 22 Magnesium ppm 135 Zinc ppm 8 Phosphorus ppm 1305			_	 	
Manganese ppm 2 Phosphorus ppm 1305					
Vanadium ppm 0 ADDITIVES Calcium ppm 22 Magnesium ppm 135 Zinc ppm 8 Phosphorus ppm 1305					
ADDITIVES Calcium ppm 22 Magnesium ppm 135 Zinc ppm 8 Phosphorus ppm 1305	-		_		
Calcium ppm 22 Magnesium ppm 135 Zinc ppm 8 Phosphorus ppm 1305	Vanadium	ppm	0	 	
Magnesium ppm 135 Zinc ppm 8 Phosphorus ppm 1305	ADDITIDES				
Magnesium ppm 135 Zinc ppm 8 Phosphorus ppm 1305	Calcium	ppm	22	 	
Phosphorus ppm 1305	Magnesium	ppm	135	 	
Phosphorus ppm 1305	-		8	 	
Barium ppm 0	Phosphorus	ppm	1305	 	
	Barium	ppm	0	 	
Boron ppm 415	Boron	ppm	415	 	

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Diagnosis

No corrective action is recommended at this time. 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 condition of the oil is acceptable for the time in service.

Depot:VP867279Unique No:11019147Signed:Doug BogartReport Date:09 May 2024





