



GRANT GRANT VOLVO PENTA GRANT - STARBOARD IPS

Sample No: VPA058298
Oil Type: {unknown}

Sample Number Sample Date 03 Jan 2024					TION	SAMPLE INFORMAT
Sample Date 03 Jan 2024				VPA058298		Sample Number
Machine Hours 0 <th< td=""><td></td><td></td><th></th><th>03 Jan 2024</th><td></td><td></td></th<>				03 Jan 2024		
Oil Changed Sample Status N/A NORMAL <th< td=""><td></td><td></td><th></th><th>0</th><td></td><td>•</td></th<>				0		•
Sample Status				0		Oil Hours
OIL CONDITION CONTAMINATION Water % NEG				N/A		Oil Changed
Visc @ 40°C cSt 103.2 <				NORMAL		Sample Status
Vater % NEG Silicon ppm 3						OIL CONDITION
Water % NEG <td></td> <td> </td> <th>-</th> <th>103.2</th> <td>cSt</td> <td>Visc @ 40°C</td>		 	-	103.2	cSt	Visc @ 40°C
Solicon ppm 3 <td< td=""><td></td><td></td><th></th><th></th><td></td><td>CONTAMINATION</td></td<>						CONTAMINATION
Soliuon ppm 3 <td< td=""><td></td><td> </td><th>_</th><th>NEG</th><td>%</td><td>Water</td></td<>		 	_	NEG	%	Water
Sodium ppm 0 <td></td> <td> </td> <th>-</th> <th>3</th> <td>ppm</td> <td></td>		 	-	3	ppm	
WEAR METALS PQ 18		 	_	0		Sodium
PQ 18 Iron ppm 32 Copper ppm 5 Lead ppm <1		 	-	4	ppm	Potassium
Iron						WEAR METALS
Copper ppm 5 <td></td> <td> </td> <th>-</th> <th>■18</th> <td></td> <td>PQ</td>		 	-	■18		PQ
Lead ppm <1		 	-	■32	ppm	
Tin ppm <1 Aluminum ppm 2		 	-	5	ppm	Copper
Aluminum ppm 2 Chromium ppm <1		 	-	<1	ppm	Lead
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 13		 	-	_	ppm	
Manganese ppm 2 Vanadium ppm 0 ADDITIVES Calcium ppm 13						
Vanadium ppm 0 ADDITIVES Calcium ppm 13						
ADDITIVES Calcium ppm 13				_		-
Calcium ppm 13		 	_	0	ppm	Vanadium
THE TOTAL PROPERTY OF THE PROP						ADDITIVES
		 	-	13	ppm	Calcium
Magnesium ppm 220		 	-	220	ppm	Magnesium
Zinc ppm 6		 	-	6		Zinc
Phosphorus ppm 1444		 	-	1444	ppm	Phosphorus
Barium ppm 10		 	-	10	ppm	Barium
Boron ppm 387		 	-	387	ppm	Boron

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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:10817240Signed:Doug BogartReport Date:04 Jan 2024

OIL ANALYSIS REPORT



