

OIL ANALYSIS REPORT



CHRIS MAYEDA 7719825 VOLVO PENTA 3020305949 - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA054294
Oil Type: REDLINE FULL SYNTHETIC 75W140

SAMPLE INFORMATION

Sample Number	VPA054294	VPA055484	VPA042101	VPA028494
Sample Date	03 Jun 2024	06 Jun 2023	12 Jul 2022	06 May 2021
Machine Hours	1291	1084	0	1004
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	147	107	140	152
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	5	10	<1
Sodium	ppm	3	3	3	1
Potassium	ppm	<1	0	<1	<1

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 condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		26	17	25	21
Iron	ppm	17	10	18	5
Copper	ppm	0	<1	1	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	0	0	3	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	2	<1
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	0	1	1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	9	<1	5	10
Magnesium	ppm	<1	2	33	787
Zinc	ppm	7	0	7	0
Phosphorus	ppm	2606	2975	3347	1493
Barium	ppm	0	0	0	0
Boron	ppm	377	384	164	469

Depot: VP99031103
Unique No: 11076831
Signed: Don Baldrige
Report Date: 17 Jun 2024

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VOLVO PENTA

GRAPHS

