

OIL ANALYSIS REPORT



DAVID JOHNSTONE DAVID JOHNSTONE - PORT DIESEL ENGINE

Sample No: VPA050557
Oil Type: CATALYS SAE 30

SAMPLE INFORMATION

Sample Number	VPA050557	VPA050560	---	---
Sample Date	08 Jul 2024	25 Jun 2024	---	---
Machine Hours	20	0	---	---
Oil Hours	20	0	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	NORMAL	ABNORMAL	---	---

Bridgeview Marine Services
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 CA N7S 6J4
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 T: (519)339-0454
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OIL CONDITION

Visc @ 40°C	cSt	---	▲ 94.1	---	---
Visc @ 100°C	cSt	■ 11.3	▲ 11.4	---	---
Viscosity Index (VI)	Scale	---	▲ 108	---	---
Oxidation (PA)	%	29	30	---	---

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

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	■ 0.4	■ 0.4	---	---
Nitration (PA)	%	36	38	---	---
Sulfation (PA)	%	39	41	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	■ 0.7	---	---
Silicon	ppm	■ 20	■ 21	---	---
Sodium	ppm	■ 4	■ 4	---	---
Potassium	ppm	■ 2	■ 2	---	---

WEAR METALS

Iron	ppm	■ 78	■ 76	---	---
Copper	ppm	■ 10	■ 11	---	---
Lead	ppm	■ 6	■ 7	---	---
Tin	ppm	■ 36	▲ 38	---	---
Aluminum	ppm	■ 2	■ 2	---	---
Chromium	ppm	■ 4	■ 5	---	---
Molybdenum	ppm	■ 24	■ 26	---	---
Nickel	ppm	■ <1	■ <1	---	---
Titanium	ppm	■ <1	■ <1	---	---
Silver	ppm	■ 0	■ <1	---	---
Manganese	ppm	<1	■ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	■ 2201	■ 2264	---	---
Magnesium	ppm	■ 69	75	---	---
Zinc	ppm	■ 929	■ 935	---	---
Phosphorus	ppm	■ 847	■ 835	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 2	3	---	---

Depot: VP627399
Unique No: 5812137
Signed: Kevin Marson
Report Date: 09 Jul 2024

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GRAPHS

