

OIL ANALYSIS REPORT



MCCLOSKEY 91585 - VARIABLE SPEED - DIESEL ENGINE

Sample No: VPA054031
Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA054031	VPA040932	---	---
Sample Date	20 May 2024	17 Feb 2023	---	---
Machine Hours	2815	2812	---	---
Oil Hours	1100	700	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	MARGINAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.8	11.5	---	---
Base Number (BN)	mg KOH/g	8.7	5.7	---	---
Oxidation (PA)	%	56	81	---	---

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.2	---	---
Nitration (PA)	%	50	88	---	---
Sulfation (PA)	%	50	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	2.4	---	---
Silicon	ppm	6	14	---	---
Sodium	ppm	<1	1	---	---
Potassium	ppm	3	8	---	---

WEAR METALS

Iron	ppm	7	25	---	---
Copper	ppm	19	68	---	---
Lead	ppm	2	7	---	---
Tin	ppm	2	7	---	---
Aluminum	ppm	2	4	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	56	60	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	2	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	1102	1383	---	---
Magnesium	ppm	843	696	---	---
Zinc	ppm	1178	1177	---	---
Phosphorus	ppm	992	900	---	---
Barium	ppm	0	2	---	---
Boron	ppm	12	0	---	---

Depot: VP1121775
Unique No: 11059507
Signed: Sean Felton
Report Date: 04 Jun 2024

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GRAPHS

