

OIL ANALYSIS REPORT



MCCLOSKEY 92520 - VARIABLE SPEED - DIESEL ENGINE

Sample No: VPA054035
Oil Type: DIESEL ENGINE OIL SAE 30

SAMPLE INFORMATION

Sample Number	VPA054035	VPA051802	---	---
Sample Date	11 Jun 2024	29 Sep 2023	---	---
Machine Hours	986	436	---	---
Oil Hours	400	436	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.3	12.4	---	---
Base Number (BN)	mg KOH/g	8.4	7.8	---	---
Oxidation (PA)	%	69	59	---	---

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	0.1	---	---
Nitration (PA)	%	54	48	---	---
Sulfation (PA)	%	65	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	1.0	---	---
Silicon	ppm	8	14	---	---
Sodium	ppm	<1	2	---	---
Potassium	ppm	2	4	---	---

WEAR METALS

Iron	ppm	5	7	---	---
Copper	ppm	2	13	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	2	<1	---	---
Aluminum	ppm	4	4	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	135	80	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	2	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1535	1351	---	---
Magnesium	ppm	702	568	---	---
Zinc	ppm	895	1372	---	---
Phosphorus	ppm	736	1100	---	---
Barium	ppm	0	0	---	---
Boron	ppm	367	316	---	---

Depot: VP1121775
Unique No: 11077100
Signed: Don Baldrige
Report Date: 17 Jun 2024

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VOLVO PENTA

GRAPHS

