



CONSTRUCTION EQUIPMENT

SPM566069-10 CARMUES LINK BELT 100RT T9LO-6624 - DIESEL ENGINE



Sample No: VCP370977
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SPM566069-10 CARMUES



SAMPLE INFORMATION

Sample Number	VCP370977	VCP349939	---	---
Sample Date	18 Aug 2023	19 Jan 2022	---	---
Machine Hours	2127	1036	---	---
Oil Hours	0	100	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
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OIL CONDITION

Visc @ 100°C	cSt	13.3	13.3	---	---
Base Number (BN)	mg KOH/g	7.0	11.1	---	---
Oxidation (PA)	%	72	63	---	---

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 acceptable for the time in service.



CONTAMINATION

Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	84	47	---	---
Sulfation (PA)	%	55	57	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	5	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	3	0	---	---



WEAR METALS

Iron	ppm	25	5	---	---
Copper	ppm	138	6	---	---
Lead	ppm	2	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	<1	0	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	61	56	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	0	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1139	1248	---	---
Magnesium	ppm	1077	941	---	---
Zinc	ppm	1354	1270	---	---
Phosphorus	ppm	1048	1052	---	---
Barium	ppm	0	0	---	---
Boron	ppm	4	14	---	---

Depot: VOLVO2990
Unique No: 10631072
Signed: Sean Felton
Report Date: 05 Sep 2023



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GRAPHS

