



CONSTRUCTION EQUIPMENT

SPM595384 MH EQUIP JOHN DEERE 482C 73 1825 - DIESEL ENGINE



Sample No: VCP399654
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM595384 MH EQUIP



SAMPLE INFORMATION

Sample Number	VCP399654	VCP361020	---	---
Sample Date	12 Sep 2023	13 Jul 2022	---	---
Machine Hours	1361	1254	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
DAVE.ENG@ALTG.COM
T: (312)350-2560
F:



OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	█ 13.6	---	---
Base Number (BN)	mg KOH/g	█ 9.0	█ 11.3	---	---
Oxidation (PA)	%	60	70	---	---

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

Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	63	76	---	---
Sulfation (PA)	%	48	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 3	█ 7	---	---
Sodium	ppm	█ 2	█ 9	---	---
Potassium	ppm	█ 2	█ 4	---	---



WEAR METALS

Iron	ppm	█ 6	█ 8	---	---
Copper	ppm	█ 0	█ <1	---	---
Lead	ppm	█ 0	█ 2	---	---
Tin	ppm	█ <1	█ 2	---	---
Aluminum	ppm	█ 0	█ 4	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 74	█ 244	---	---
Nickel	ppm	█ <1	█ 2	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	█ 1094	█ 1448	---	---
Magnesium	ppm	█ 976	█ 793	---	---
Zinc	ppm	█ 1290	█ 1052	---	---
Phosphorus	ppm	█ 1073	█ 877	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 27	█ 390	---	---

Depot: VOLVO8885
Unique No: 10658027
Signed: Wes Davis
Report Date: 21 Sep 2023



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GRAPHS

