



CONSTRUCTION EQUIPMENT

1 KAWASAKI 85C5-5251 - DIESEL ENGINE



Sample No: VCP430548
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No: 1



SAMPLE INFORMATION

Sample Number	VCP430548	VCP276676	VCE214203	VCE193386
Sample Date	14 Dec 2023	21 Jan 2021	29 May 2020	15 Oct 2019
Machine Hours	20893	19997	19346	18850
Oil Hours	400	400	400	400
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

PLEASANT RIVER LUMBER
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 DOVER FOXCROFT, ME
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OIL CONDITION

Visc @ 100°C	cSt	12.7	14.2	12.9	12.6
Base Number (BN)	mg KOH/g	8.1	---	---	---
Oxidation (PA)	%	42	67	61	57

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	NEG	NEG
Soot %	%	0.3	1.9	1	0.8
Nitration (PA)	%	50	80	72	59
Sulfation (PA)	%	47	66	59	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	4	4	5
Sodium	ppm	1	3	9	17
Potassium	ppm	1	0	<1	1



WEAR METALS

Iron	ppm	5	25	20	15
Copper	ppm	2	4	2	1
Lead	ppm	<1	<1	<1	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	2	3	3	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	27	58	62	54
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	<1	1	2
Silver	ppm	<1	<1	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1597	1075	1109	1156
Magnesium	ppm	412	930	893	890
Zinc	ppm	1102	1149	1173	1130
Phosphorus	ppm	931	919	1020	908
Barium	ppm	0	0	0	0
Boron	ppm	12	6	12	16

Depot: PLEDOV
Unique No: 10809275
Signed: Wes Davis
Report Date: 03 Jan 2024



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VOLVO GRAPHS

