



CONSTRUCTION EQUIPMENT

C2 PRENTICE 425P52783 - DIESEL ENGINE



Sample No: VCP430546
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No: C2



SAMPLE INFORMATION

Sample Number	VCP430546	VCP387256	VCP351604	VCP296532
Sample Date	13 Dec 2023	02 Dec 2022	30 Mar 2022	14 Apr 2021
Machine Hours	3478	2935	2259	1679
Oil Hours	800	700	600	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

PLEASANT RIVER LUMBER
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OIL CONDITION

Visc @ 100°C	cSt	13.3	13.5	13.1	13.6
Base Number (BN)	mg KOH/g	8.1	8.6	8.0	---
Oxidation (PA)	%	81	88	94	95

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

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.4	0.5	0.3	0.3
Nitration (PA)	%	98	99	112	103
Sulfation (PA)	%	60	68	67	69
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	4	1
Sodium	ppm	2	<1	3	4
Potassium	ppm	<1	4	<1	<1



WEAR METALS

Iron	ppm	36	53	50	42
Copper	ppm	4	25	4	22
Lead	ppm	7	14	8	10
Tin	ppm	1	2	2	3
Aluminum	ppm	2	2	1	<1
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	78	78	81	78
Nickel	ppm	2	0	3	2
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	1	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1103	1232	1115	1195
Magnesium	ppm	1035	961	939	967
Zinc	ppm	1367	1285	1269	1213
Phosphorus	ppm	1122	1005	1044	991
Barium	ppm	0	0	0	0
Boron	ppm	5	4	9	10

Depot: PLEDOV
Unique No: 10809278
Signed: Don Baldrige
Report Date: 03 Jan 2024



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GRAPHS

