



CONSTRUCTION EQUIPMENT

9877 RITCHIE LAND ALJON 30116 - REAR RIGHT FINAL DRIVE



Sample No: VCP422882
Oil Type: GEAR OIL SAE 85W140
Job No: 9877 RITCHIE LAND



SAMPLE INFORMATION

Sample Number	VCP422882	VCP395144	VCP371313	VCP386427
Sample Date	22 Nov 2023	28 Feb 2023	14 Dec 2022	12 Oct 2022
Machine Hours	5376	4662	4234	3922
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	NORMAL

PLEASANT EXCAVATING COMPANY INC
24024 FREDERICK ROAD
CLARKSBURG, MD
US 20871
Contact: H TRENT
HTRENT@PLEASANTS.ORG
T: (301)252-5635
F:



OIL CONDITION

Visc @ 40°C	cSt	291	253	260	264
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	6	3	3
Sodium	ppm	<1	0	0	0
Potassium	ppm	0	1	<1	0

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	558	753	512	372
Copper	ppm	29	43	30	20
Lead	ppm	0	<1	0	0
Tin	ppm	2	0	<1	0
Aluminum	ppm	0	2	1	0
Chromium	ppm	6	9	7	4
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	2	2	1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	4	6	4	4
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	13	42	12	23
Magnesium	ppm	0	<1	0	5
Zinc	ppm	16	43	29	29
Phosphorus	ppm	538	439	421	448
Barium	ppm	0	1	0	2
Boron	ppm	29	8	9	9

Depot: PLECLA
Unique No: 10762994
Signed: Don Baldrige
Report Date: 30 Nov 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

