



CONSTRUCTION EQUIPMENT

9877 RITCHIE LAND ALJON 30116 - FRONT LEFT FINAL DRIVE



Sample No: VCP422881
Oil Type: DURALENE Dura-Gear 85W140
Job No: 9877 RITCHIE LAND



SAMPLE INFORMATION

Sample Number	VCP422881	VCP395148	VCP371314	VCP386437
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	SEVERE	ABNORMAL	ABNORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	303	305	304	307
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	11	6	6
Sodium	ppm	<1	0	0	<1
Potassium	ppm	0	3	1	0

Diagnosis

We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. High concentration of visible metal present. All 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	312	2358	1473	1254
Copper	ppm	10	42	29	27
Lead	ppm	0	<1	0	0
Tin	ppm	6	0	<1	<1
Aluminum	ppm	0	4	3	<1
Chromium	ppm	3	31	20	15
Molybdenum	ppm	0	2	1	2
Nickel	ppm	0	4	2	2
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	15	10	9
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	69	20	12	18
Magnesium	ppm	0	1	<1	6
Zinc	ppm	25	16	11	15
Phosphorus	ppm	1032	714	570	561
Barium	ppm	0	<1	0	2
Boron	ppm	141	39	31	32

Depot: PLECLA
Unique No: 10762993
Signed: Don Baldrige
Report Date: 30 Nov 2023



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GRAPHS

