



CONSTRUCTION EQUIPMENT

10165 TOLSON ALJON 30131 - REAR RIGHT FINAL DRIVE



Sample No: VCP409472
Oil Type: SHELL SPIRAX HD 85W140
Job No: 10165 TOLSON



SAMPLE INFORMATION

Sample Number	VCP409472	VCP426063	VCP412702	VCP408896
Sample Date	08 Jan 2024	20 Sep 2023	24 Jul 2023	01 Jun 2023
Machine Hours	2490	1938	1665	1445
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

PLEASANT EXCAVATING COMPANY INC
24024 FREDERICK ROAD
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Contact: H TRENT
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F:



OIL CONDITION

Visc @ 40°C	cSt	263	299	296	295
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	5	4	5
Sodium	ppm	0	3	1	1
Potassium	ppm	<1	6	1	1

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	308	856	686	590
Copper	ppm	3	10	7	4
Lead	ppm	0	0	0	0
Tin	ppm	0	1	0	<1
Aluminum	ppm	0	1	3	<1
Chromium	ppm	3	6	5	5
Molybdenum	ppm	0	1	<1	1
Nickel	ppm	<1	1	<1	1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	8	7	6
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	78	121	104	113
Magnesium	ppm	2	6	0	<1
Zinc	ppm	27	55	41	32
Phosphorus	ppm	1114	930	915	1010
Barium	ppm	0	0	0	0
Boron	ppm	68	147	151	168

Depot: PLECLA
Unique No: 10829783
Signed: Don Baldrige
Report Date: 14 Jan 2024



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GRAPHS

