



CONSTRUCTION EQUIPMENT

10165 TOLSON ALJON 30131 - FRONT RIGHT FINAL DRIVE



Sample No: VCP409396
Oil Type: SHELL SPIRAX HD 85W140
Job No: 10165 TOLSON



SAMPLE INFORMATION

Sample Number	VCP409396	VCP426081	VCP412653	VCP408887
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	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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	304	292	293	294
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	4	3	3
Sodium	ppm	0	4	1	2
Potassium	ppm	<1	5	0	<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	167	395	317	268
Copper	ppm	4	10	7	6
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	0	<1
Aluminum	ppm	0	<1	2	<1
Chromium	ppm	2	2	2	2
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	2	4	3	3
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	66	102	108	141
Magnesium	ppm	2	5	0	0
Zinc	ppm	19	47	43	40
Phosphorus	ppm	687	954	925	1021
Barium	ppm	0	0	0	0
Boron	ppm	117	172	167	191

Depot: PLECLA
Unique No: 10829785
Signed: Don Baldrige
Report Date: 14 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

