



# CONSTRUCTION EQUIPMENT

9328 TOLSON ALJON 30131 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP412702  
**Oil Type:** SHELL SPIRAX HD 85W140  
**Job No:** 9328 TOLSON



## SAMPLE INFORMATION

Sample Number	<b>VCP412702</b>	VCP408896	VCP05824570	VCP405216
Sample Date	<b>24 Jul 2023</b>	01 Jun 2023	17 Apr 2023	20 Feb 2023
Machine Hours	<b>1665</b>	1445	1162	861
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	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	<b>296</b>	295	295	296
-------------	-----	------------	-----	-----	-----



## CONTAMINATION

Silicon	ppm	<b>4</b>	5	4	2
Sodium	ppm	<b>1</b>	1	1	0
Potassium	ppm	<b>1</b>	1	0	<1

## 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	<b>686</b>	590	493	273
Copper	ppm	<b>7</b>	4	5	2
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>3</b>	<1	<1	<1
Chromium	ppm	<b>5</b>	5	4	2
Molybdenum	ppm	<b>&lt;1</b>	1	1	0
Nickel	ppm	<b>&lt;1</b>	1	<1	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>7</b>	6	6	3
Vanadium	ppm	<b>&lt;1</b>	0	<1	0



## ADDITIVES

Calcium	ppm	<b>104</b>	113	121	114
Magnesium	ppm	<b>0</b>	<1	1	7
Zinc	ppm	<b>41</b>	32	41	51
Phosphorus	ppm	<b>915</b>	1010	997	819
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>151</b>	168	223	215

**Depot:** PLECLA  
**Unique No:** 10586772  
**Signed:** Don Baldrige  
**Report Date:** 04 Aug 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

