



# CONSTRUCTION EQUIPMENT

9875 TOLSON VOLVO A30G 753127 - DIESEL ENGINE



**Sample No:** VCP422883  
**Oil Type:** CHEVRON 15W40  
**Job No:** 9875 TOLSON



## SAMPLE INFORMATION

Sample Number	<b>VCP422883</b>	VCP426071	VCP404402	VCP407893
Sample Date	<b>06 Nov 2023</b>	20 Sep 2023	24 Jul 2023	01 Jun 2023
Machine Hours	<b>1058</b>	800	519	272
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	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 @ 100°C	cSt	<b>12.8</b>	12.8	12.7	▲ 11.0
Base Number (BN)	mg KOH/g	<b>8.0</b>	8.0	8.1	6.8
Oxidation (PA)	%	<b>60</b>	60	60	59

## CONTAMINATION

Soot %	%	<b>0.1</b>	0.1	0.1	0.1
Nitration (PA)	%	<b>50</b>	51	53	69
Sulfation (PA)	%	<b>59</b>	58	58	52
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	0.5
Silicon	ppm	<b>4</b>	6	10	▲ 40
Sodium	ppm	<b>&lt;1</b>	<1	0	2
Potassium	ppm	<b>&lt;1</b>	1	2	5

## 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

## WEAR METALS

Iron	ppm	<b>5</b>	6	8	17
Copper	ppm	<b>2</b>	7	37	44
Lead	ppm	<b>0</b>	<1	<1	2
Tin	ppm	<b>&lt;1</b>	<1	<1	2
Aluminum	ppm	<b>2</b>	<1	1	3
Chromium	ppm	<b>0</b>	<1	0	<1
Molybdenum	ppm	<b>82</b>	88	131	81
Nickel	ppm	<b>&lt;1</b>	<1	<1	1
Titanium	ppm	<b>2</b>	2	<1	0
Silver	ppm	<b>0</b>	0	1	1
Manganese	ppm	<b>&lt;1</b>	<1	<1	3
Vanadium	ppm	<b>0</b>	<1	0	<1

## ADDITIVES

Calcium	ppm	<b>1412</b>	1451	2033	2282
Magnesium	ppm	<b>408</b>	407	458	18
Zinc	ppm	<b>1322</b>	1285	1661	1273
Phosphorus	ppm	<b>1062</b>	1064	1501	1055
Barium	ppm	<b>0</b>	0	3	0
Boron	ppm	<b>442</b>	512	618	63

**Depot:** PLECLA  
**Unique No:** 10736468  
**Signed:** Wes Davis  
**Report Date:** 10 Nov 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

