



# CONSTRUCTION EQUIPMENT

TMR-LANDSTREET 619053 VOLVO L150G 22725 - DIESEL ENGINE



**Sample No:** VCP433995  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 619053



## SAMPLE INFORMATION

Sample Number	<b>VCP433995</b>	VCP411668	VCP397660	DJJ0009617
Sample Date	<b>02 Oct 2023</b>	24 May 2023	25 Jan 2023	19 Sep 2022
Machine Hours	<b>18825</b>	18487	18102	17474
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

TRADEMARK METALS RECYCLING - ORLANDO - LANDSTREET  
 51 EAST LANDSTREET ROAD  
 ORLANDO, FL  
 US 32824  
 Contact: RYAN BOWDEN



## OIL CONDITION

Visc @ 100°C	cSt	<b>12.0</b>	12.4	12.4	12.4
Base Number (BN)	mg KOH/g	<b>9.7</b>	9.6	9.6	11.7
Oxidation (PA)	%	<b>81</b>	62	81	87

T:  
 F: (407)855-3118

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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.



## CONTAMINATION

Soot %	%	<b>0.1</b>	0.1	0.1	0.1
Nitration (PA)	%	<b>51</b>	49	53	55
Sulfation (PA)	%	<b>60</b>	53	61	64
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>2.3</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>3</b>	5	3	3
Sodium	ppm	<b>1</b>	0	2	2
Potassium	ppm	<b>0</b>	1	0	0



## WEAR METALS

Iron	ppm	<b>1</b>	<1	2	2
Copper	ppm	<b>2</b>	2	<1	<1
Lead	ppm	<b>0</b>	1	1	<1
Tin	ppm	<b>0</b>	<1	<1	0
Aluminum	ppm	<b>&lt;1</b>	<1	1	3
Chromium	ppm	<b>0</b>	0	0	<1
Molybdenum	ppm	<b>40</b>	66	40	37
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1557</b>	1184	1527	1550
Magnesium	ppm	<b>566</b>	855	481	479
Zinc	ppm	<b>1148</b>	1215	1030	1001
Phosphorus	ppm	<b>935</b>	1019	816	853
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>40</b>	17	47	40

**Depot:** TRAORLFL  
**Unique No:** 10682096  
**Signed:** Wes Davis  
**Report Date:** 09 Oct 2023

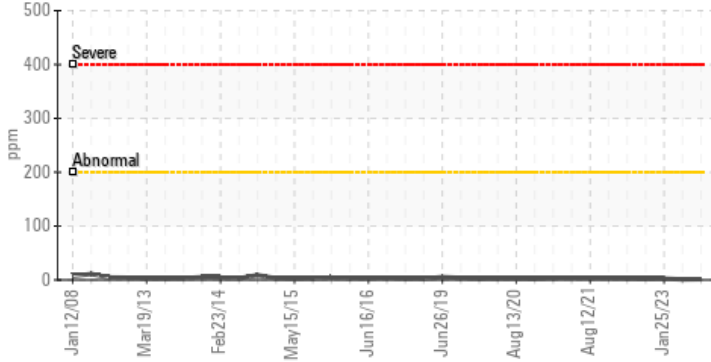


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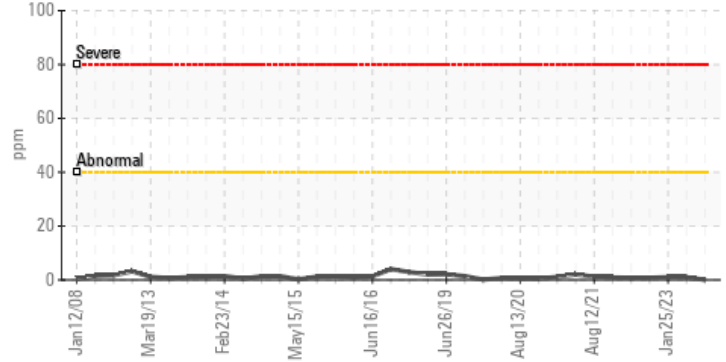


## GRAPHS

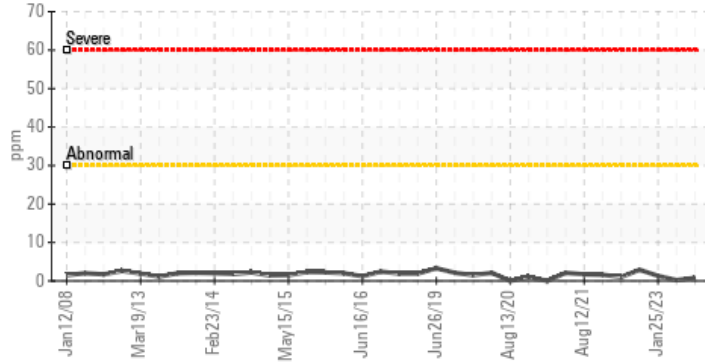
### Iron (ppm)



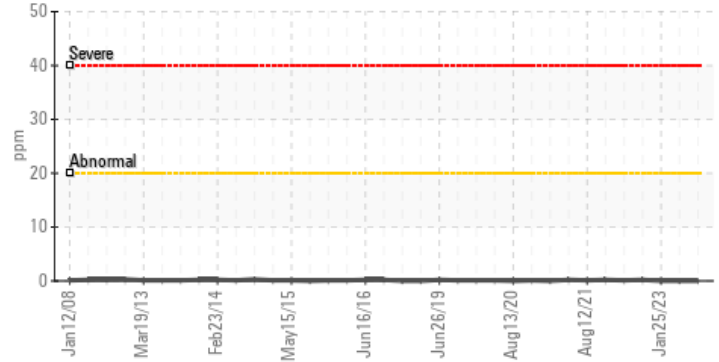
### Lead (ppm)



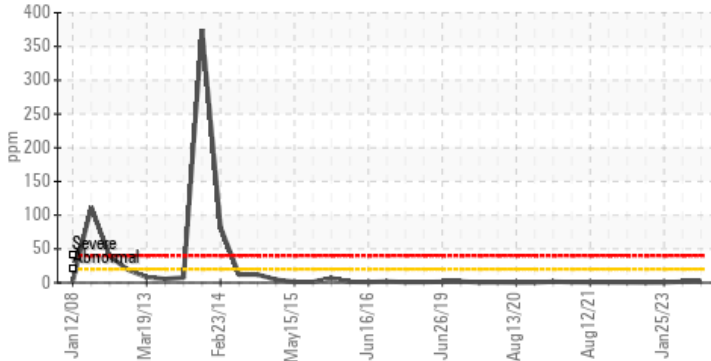
### Aluminum (ppm)



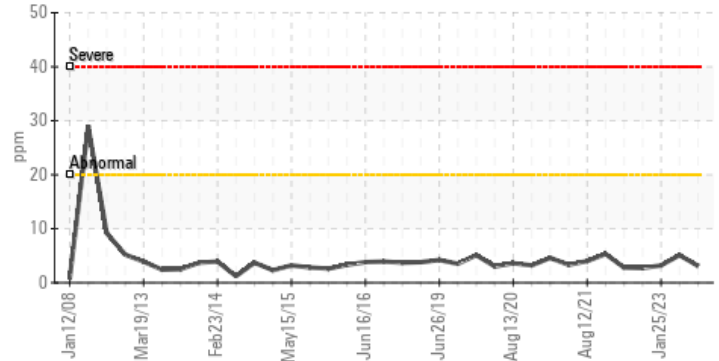
### Chromium (ppm)



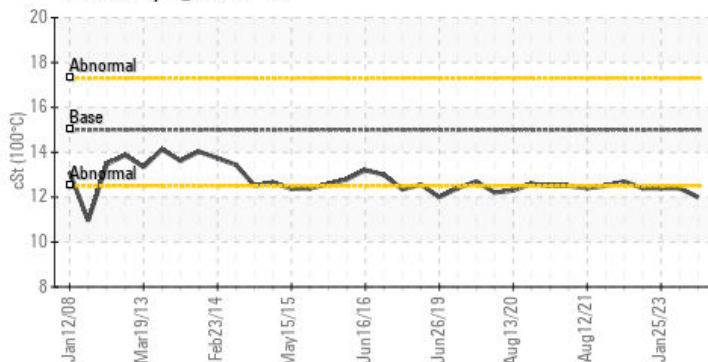
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

