



# CONSTRUCTION EQUIPMENT

SPM688427 VOLVO L150H 7135 - DIESEL ENGINE



**Sample No:** VCP420051  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM688427



## SAMPLE INFORMATION

Sample Number	VCP420051	VCP429093	VCP427406	VCP420664
Sample Date	22 Mar 2024	10 Nov 2023	12 Oct 2023	25 Aug 2023
Machine Hours	2480	1450	1283	995
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

**OZINGA BROS INC**  
 19001 OLD LAGRANDE RD  
 MOKENA, IL  
 US 60448  
 Contact: ED JONGSMA

## OIL CONDITION

Visc @ 100°C	cSt	13.3	13.0	14.5	13.3
Base Number (BN)	mg KOH/g	8.4	8.1	8.9	6.9
Oxidation (PA)	%	59	57	55	61

T: (708)326-4200  
 F:

## 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.

## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.2
Nitration (PA)	%	65	56	48	68
Sulfation (PA)	%	53	52	51	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	6	13
Sodium	ppm	3	0	3	3
Potassium	ppm	0	1	2	2

## WEAR METALS

Iron	ppm	5	3	3	7
Copper	ppm	8	16	12	105
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	<1	2
Aluminum	ppm	<1	2	2	2
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	60	58	54	69
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	1
Vanadium	ppm	0	0	<1	0

## ADDITIVES

Calcium	ppm	1107	1011	993	1512
Magnesium	ppm	998	822	859	729
Zinc	ppm	1243	1115	1153	1350
Phosphorus	ppm	1064	927	928	1059
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	11

**Depot:** OZIMOKVC  
**Unique No:** 11029614  
**Signed:** Wes Davis  
**Report Date:** 14 May 2024

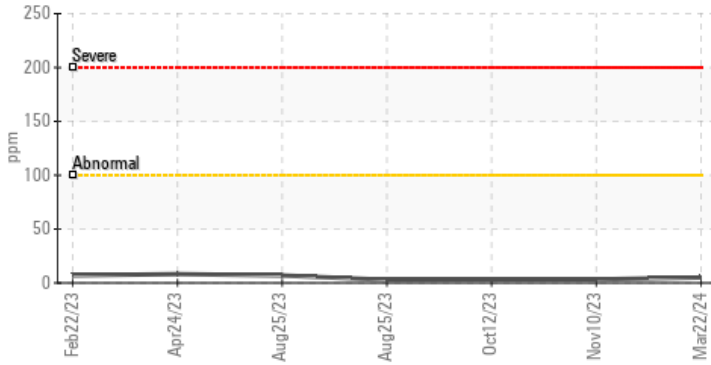


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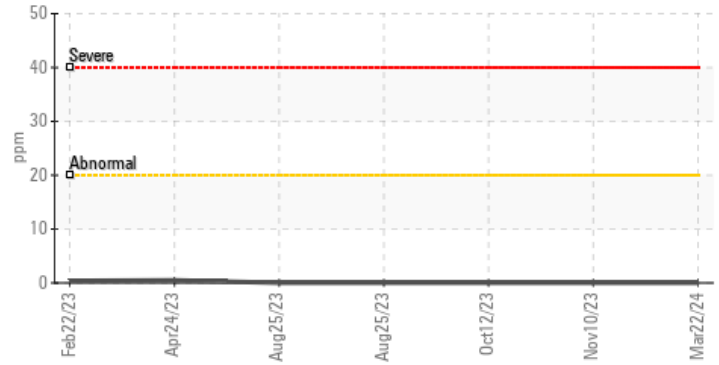


## GRAPHS

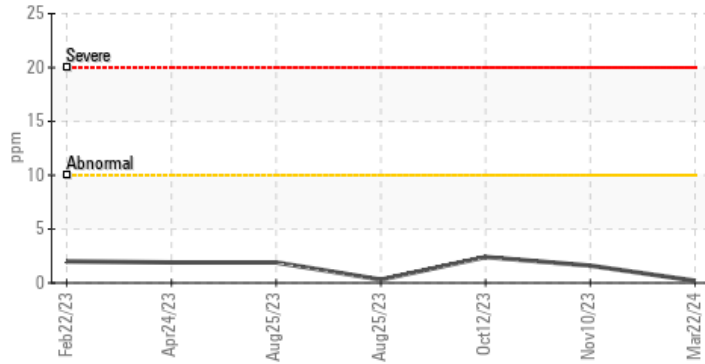
### Iron (ppm)



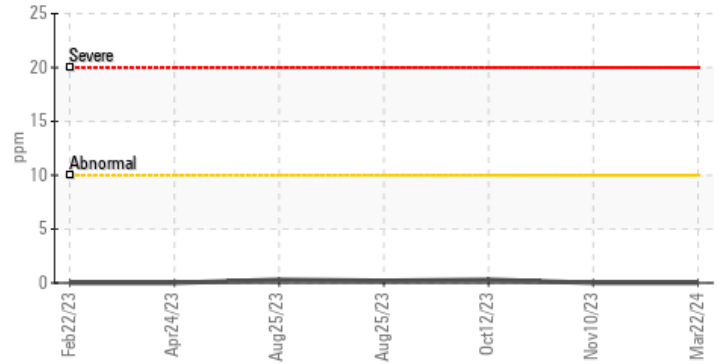
### Lead (ppm)



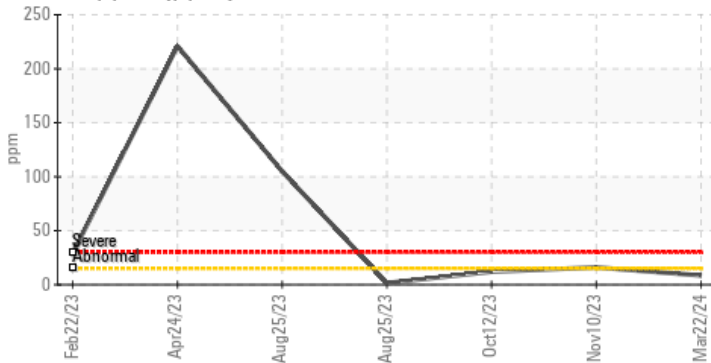
### Aluminum (ppm)



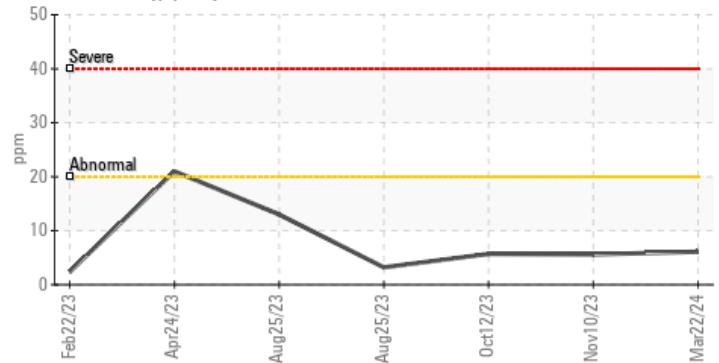
### Chromium (ppm)



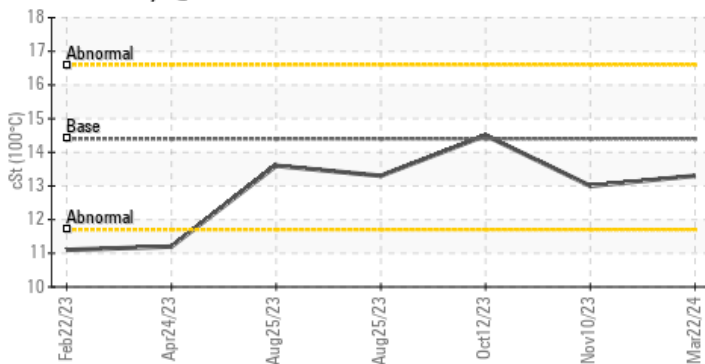
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

