



# CONSTRUCTION EQUIPMENT

## KENWORTH FLUSHER TRUCK - DIESEL ENGINE



**Sample No:** VCP409197  
**Oil Type:** MOBIL DELVAC 1300 SUPER15W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP409197</b>	VCP364909	VCP309199	---
Sample Date	<b>05 Jul 2023</b>	18 Oct 2022	14 Dec 2021	---
Machine Hours	<b>1224</b>	4305	3359	---
Oil Hours	<b>208</b>	280	232	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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### OIL CONDITION

Visc @ 100°C	cSt	<b>12.5</b>	12.8	12.7	---
Base Number (BN)	mg KOH/g	<b>10.0</b>	10.7	7.7	---
Oxidation (PA)	%	<b>82</b>	78	41	---

### Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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

Soot %	%	<b>0.1</b>	0.1	0.1	---
Nitration (PA)	%	<b>57</b>	66	65	---
Sulfation (PA)	%	<b>60</b>	61	47	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	---
Silicon	ppm	<b>6</b>	6	8	---
Sodium	ppm	<b>0</b>	2	3	---
Potassium	ppm	<b>2</b>	5	11	---



### WEAR METALS

Iron	ppm	<b>9</b>	18	28	---
Copper	ppm	<b>&lt;1</b>	3	13	---
Lead	ppm	<b>&lt;1</b>	<1	1	---
Tin	ppm	<b>&lt;1</b>	<1	<1	---
Aluminum	ppm	<b>2</b>	2	3	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>45</b>	36	7	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>0</b>	0	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	<1	<1	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>1543</b>	1596	2394	---
Magnesium	ppm	<b>543</b>	489	81	---
Zinc	ppm	<b>936</b>	965	1104	---
Phosphorus	ppm	<b>793</b>	784	971	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>57</b>	47	5	---

**Depot:** MARDIC  
**Unique No:** 10559209  
**Signed:** Wes Davis  
**Report Date:** 14 Jul 2023



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## GRAPHS

