

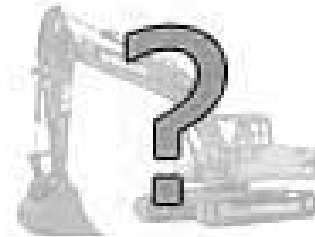


# CONSTRUCTION EQUIPMENT

## POWERSCREEN POWERSCREEN - DIESEL ENGINE



**Sample No:** VCP408921  
**Oil Type:** MOBIL DELVAC 1300 SUPER15W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP408921</b>	VCP341155	VCP390149	VCP383679
Sample Date	<b>20 Sep 2023</b>	08 Jun 2023	24 Feb 2023	25 Nov 2022
Machine Hours	<b>8233</b>	7961	7749	7528
Oil Hours	<b>272</b>	212	250	266
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 100°C	cSt	<b>13.0</b>	12.8	13.3	12.4
Base Number (BN)	mg KOH/g	<b>9.3</b>	10.1	9.9	11.2
Oxidation (PA)	%	<b>72</b>	62	61	82

### 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

Soot %	%	<b>0.6</b>	0.5	0.4	0.7
Nitration (PA)	%	<b>53</b>	51	53	60
Sulfation (PA)	%	<b>57</b>	55	53	65
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	0.7
Silicon	ppm	<b>3</b>	2	2	3
Sodium	ppm	<b>3</b>	1	2	2
Potassium	ppm	<b>0</b>	<1	<1	0



### WEAR METALS

Iron	ppm	<b>5</b>	6	5	7
Copper	ppm	<b>&lt;1</b>	<1	<1	1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	0	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>50</b>	57	53	39
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>&lt;1</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>1627</b>	1217	1278	1598
Magnesium	ppm	<b>746</b>	881	774	461
Zinc	ppm	<b>1122</b>	1195	1110	841
Phosphorus	ppm	<b>914</b>	990	887	672
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>35</b>	15	21	45

**Depot:** MARDIC  
**Unique No:** 10662786  
**Signed:** Wes Davis  
**Report Date:** 27 Sep 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

