



CONSTRUCTION EQUIPMENT

SPM567738 KOMATSU PC490 A42 178 - DIESEL ENGINE



Sample No: VCP409242
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM567738



SAMPLE INFORMATION

Sample Number	VCP409242	---	---	---
Sample Date	30 Jun 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

JOHN KENO & CO
 750 RICARD LN
 ELK GROVE VILLAGE, IL
 US 60007
 Contact: LUKAS DECKER
 ldecker@johnkeno.com
 T: (847)340-2432
 F:



OIL CONDITION

Visc @ 100°C	cSt	█ 12.5	---	---	---
Base Number (BN)	mg KOH/g	█ 8.5	---	---	---
Oxidation (PA)	%	66	---	---	---

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 %	%	█ 0.7	---	---	---
Nitration (PA)	%	87	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 47	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 34	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 4	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 3123	---	---	---
Magnesium	ppm	█ 230	---	---	---
Zinc	ppm	█ 1325	---	---	---
Phosphorus	ppm	█ 1053	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 30	---	---	---

Depot: JOHELK
Unique No: 10548408
Signed: Wes Davis
Report Date: 10 Jul 2023



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GRAPHS

