



CONSTRUCTION EQUIPMENT

SPM567536 KOMATSU PC290LC A25486 - DIESEL ENGINE



Sample No: VCP404285
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM567536



SAMPLE INFORMATION

Sample Number	VCP404285	VCP289717	---	---
Sample Date	26 Jun 2023	09 Dec 2020	---	---
Machine Hours	5013	4402	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

JOHN KENO & CO
 750 RICARD LN
 ELK GROVE VILLAGE, IL
 US 60007
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 F:



OIL CONDITION

Visc @ 100°C	cSt	13.3	14.0	---	---
Base Number (BN)	mg KOH/g	7.4	---	---	---
Oxidation (PA)	%	94	77	---	---

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	0.8	---	---
Nitration (PA)	%	106	83	---	---
Sulfation (PA)	%	68	62	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	8	6	---	---
Sodium	ppm	4	4	---	---
Potassium	ppm	6	12	---	---



WEAR METALS

Iron	ppm	73	45	---	---
Copper	ppm	5	3	---	---
Lead	ppm	<1	3	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	7	11	---	---
Chromium	ppm	2	1	---	---
Molybdenum	ppm	66	62	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1232	1750	---	---
Magnesium	ppm	972	543	---	---
Zinc	ppm	1413	1221	---	---
Phosphorus	ppm	1054	1052	---	---
Barium	ppm	0	0	---	---
Boron	ppm	11	37	---	---

Depot: JOHELK
Unique No: 10548417
Signed: Wes Davis
Report Date: 10 Jul 2023



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GRAPHS

