



CONSTRUCTION EQUIPMENT

SPM567740 TAKEUCHI TK12R2 412102339 - DIESEL ENGINE



Sample No: VCP409260
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM567740



SAMPLE INFORMATION

Sample Number	VCP409260	VCP289846	---	---
Sample Date	30 Jun 2023	03 Mar 2021	---	---
Machine Hours	1072	0	---	---
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	█ 14.0	█ 13.4	---	---
Base Number (BN)	mg KOH/g	█ 8.5	---	---	---
Oxidation (PA)	%	86	61	---	---

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 %	%	█ 1.1	█ 0.4	---	---
Nitration (PA)	%	108	63	---	---
Sulfation (PA)	%	66	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 10	█ 7	---	---
Sodium	ppm	█ 3	█ 0	---	---
Potassium	ppm	█ 6	█ 1	---	---

WEAR METALS

Iron	ppm	█ 66	█ 15	---	---
Copper	ppm	█ 61	█ 2	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 4	█ 0	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ 68	█ 60	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ 2	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1229	█ 1260	---	---
Magnesium	ppm	█ 1012	█ 824	---	---
Zinc	ppm	█ 1435	█ 1164	---	---
Phosphorus	ppm	█ 1081	█ 1048	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 13	█ 25	---	---

Depot: JOHELK
Unique No: 10548407
Signed: Wes Davis
Report Date: 10 Jul 2023



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GRAPHS

