



CONSTRUCTION EQUIPMENT

SPM595559 KOMATSU D39 3729 - DIESEL ENGINE



Sample No: VCP413961
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM595559



SAMPLE INFORMATION

Sample Number	VCP413961	---	---	---
Sample Date	28 Aug 2023	---	---	---
Machine Hours	1034	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	█ 5.7	---	---	---
Oxidation (PA)	%	107	---	---	---

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 acceptable for the time in service.



CONTAMINATION

Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	108	---	---	---
Sulfation (PA)	%	75	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 23	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 6	---	---	---



WEAR METALS

Iron	ppm	█ 63	---	---	---
Copper	ppm	█ 18	---	---	---
Lead	ppm	█ 18	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 21	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 66	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1946	---	---	---
Magnesium	ppm	█ 366	---	---	---
Zinc	ppm	█ 1187	---	---	---
Phosphorus	ppm	█ 961	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 42	---	---	---

Depot: JOHELK
Unique No: 10633973
Signed: Sean Felton
Report Date: 08 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

