

KENWORTH 2007 KENWORTH - DIESEL ENGINE

Sample No: LF0001819

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	LF0001819	---	---	---
Sample Date	09 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

D PALMER & SONS

139 BEACH LAKE HWY

HONESDALE, PA

US 18431

Contact: CHRIS DOWNEY

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	---	---	---
Base Number (BN)	mg KOH/g	█ 7.9	---	---	---
Oxidation (PA)	%	65	---	---	---

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. 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

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	61	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 75	---	---	---
Sodium	ppm	█ 18	---	---	---
Potassium	ppm	█ 11	---	---	---

WEAR METALS

Iron	ppm	█ 34	---	---	---
Copper	ppm	█ 39	---	---	---
Lead	ppm	█ 5	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 21	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 2	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 2613	---	---	---
Magnesium	ppm	█ 190	---	---	---
Zinc	ppm	█ 1458	---	---	---
Phosphorus	ppm	█ 1195	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 216	6:37:35 Rev: 1	---	---

Depot: DPAHON

Unique No: 10968877

Signed: Don Baldrige

Report Date: 12 Apr 2024

Contact/Location: CHRIS DOWNEY - DPAHON

GRAPHS

