

KENWORTH C29 - DIESEL ENGINE

Sample No: PC0083401

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	PC0083401	---	---	---
Sample Date	24 May 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	500	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

CANNON HYDROVAC
 21946 PORT RD
 MERLIN, ON
 CA N0P 1W0
 Contact: Service Manager

T: (519)358-9820
 F:

OIL CONDITION

Visc @ 40°C	cSt	■ 83.8	---	---	---
Visc @ 100°C	cSt	■ 12.0	---	---	---
Viscosity Index (VI)	Scale	137	---	---	---
Oxidation (PA)	%	77	---	---	---

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. We have assumed that this component is not breaking in (age of component not reported). Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is a moderate concentration of dirt present in the oil. Tests indicate that there is no fuel present in the oil. The oil is no longer serviceable due to the presence of contaminants.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	89	---	---	---
Sulfation (PA)	%	64	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.0	---	---	---
Silicon	ppm	▲ 30	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 66	---	---	---

WEAR METALS

Iron	ppm	■ 72	---	---	---
Copper	ppm	■ 24	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 24	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 25	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1610	---	---	---
Magnesium	ppm	■ 538	---	---	---
Zinc	ppm	■ 914	---	---	---
Phosphorus	ppm	779	---	---	---
Barium	ppm	■ 4	---	---	---
Boron	ppm	■ 31	---	---	---

Depot: CAN219MER
Unique No: 5787014
Signed: Kevin Marson
Report Date: 29 May 2024

Contact/Location: Service Manager - CAN219MER

GRAPHS

