



FUEL REPORT

CORROSION
CONTAMINANTS
FUEL CONDITION

NORMAL
ABNORMAL
SEVERE

Area

[97623016]

Machine Id

Hatz 11562004

Component

Front Diesel Fuel

Fluid

No.2 DIESEL FUEL (LOW-SULPHUR) (5 LTR)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. (Customer Sample Comment: smells/misfire)

CORROSION

{not applicable}

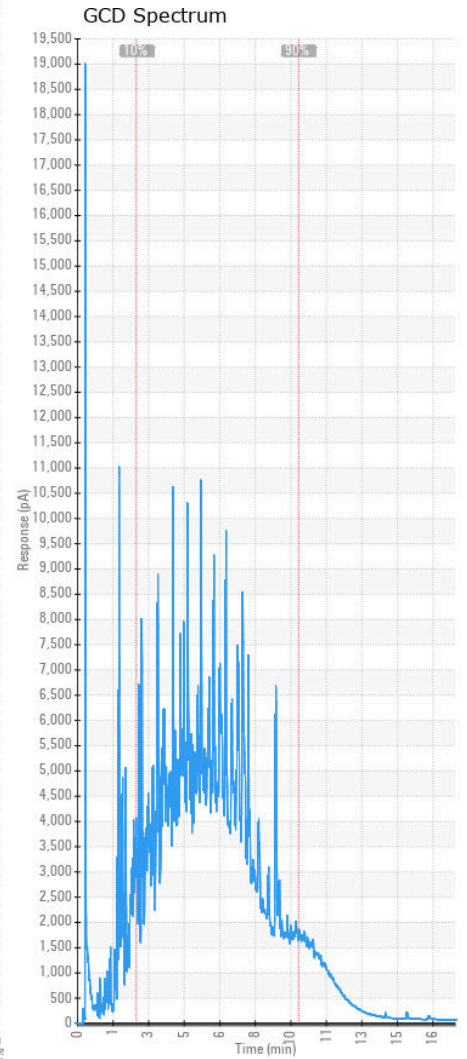
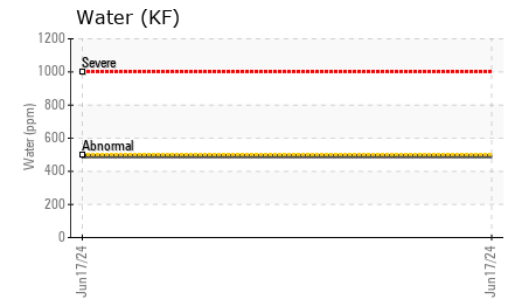
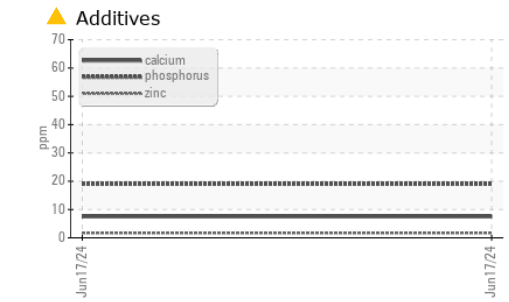
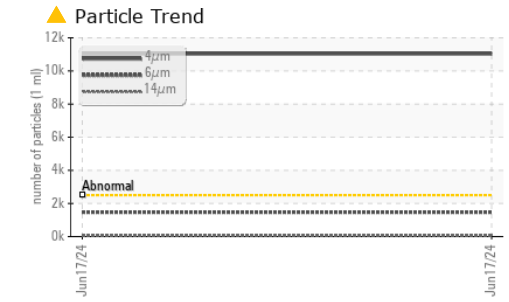
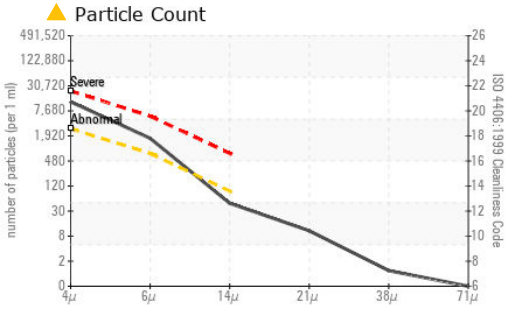
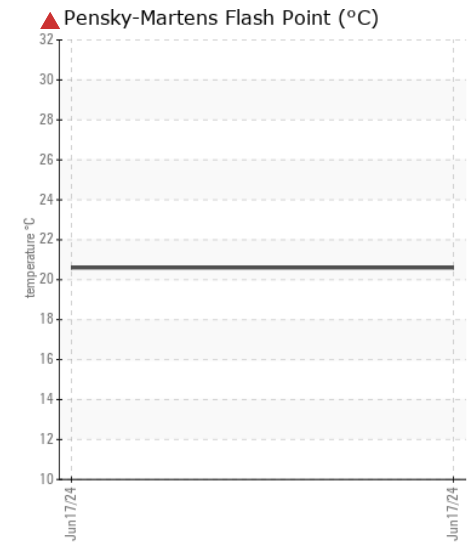
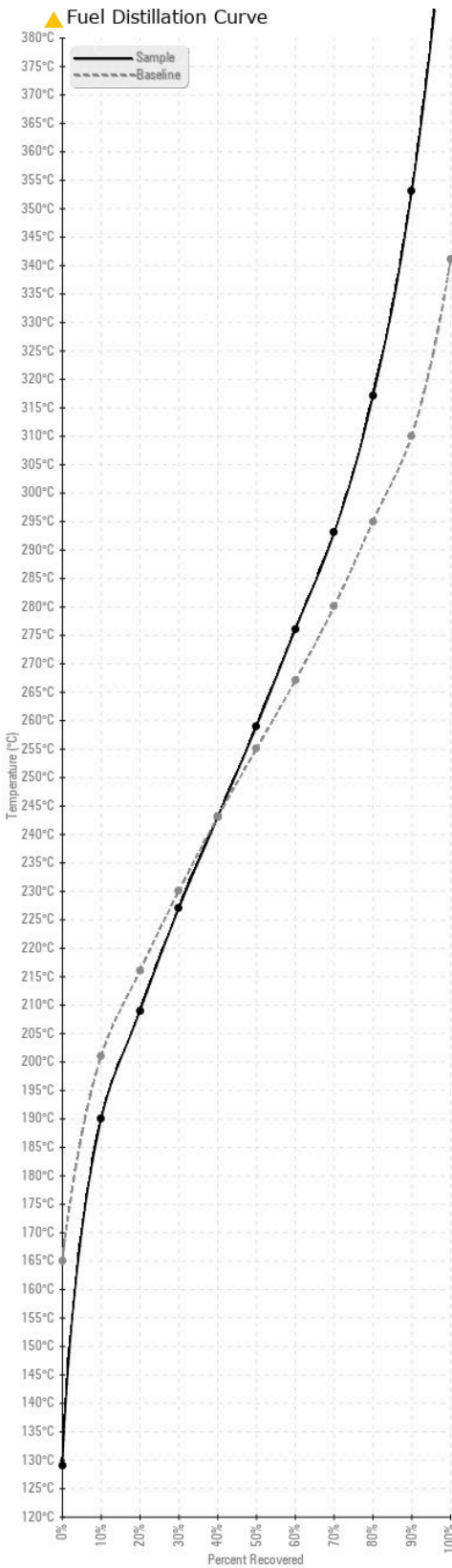
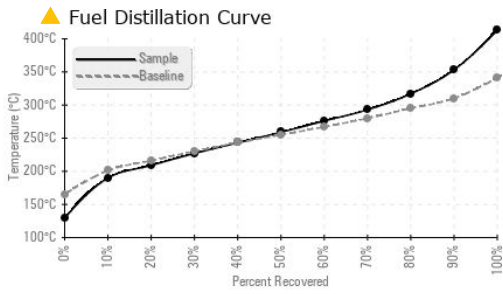
CONTAMINANTS

The flash point is lower than normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the fuel. Samples odor and low flash point indicate a dilution with a volatile substance. The water content is negligible.

FUEL CONDITION

Pensky-Martens Flash Point is severely low. 90% Distill Point results are abnormally high. Final Boiling Point results are abnormally high. Calcium ppm levels are abnormally high. Phosphorus ppm levels are abnormally high. Boron ppm levels are abnormally high. Initial Boiling Point results are abnormal. The fuel is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0866086	---	---
Sample Date		Client Info		17 Jun 2024	---	---
Machine Age	hrs	Client Info		56	---	---
Sample Status				SEVERE	---	---
Aluminum	ppm	ASTM D5185(m)	<0.1	0	---	---
Nickel	ppm	ASTM D5185(m)	<0.1	0	---	---
Lead	ppm	ASTM D5185(m)	<0.1	0	---	---
Vanadium	ppm	ASTM D5185(m)	<0.1	0	---	---
Iron	ppm	ASTM D5185(m)	<0.1	0	---	---
Silicon	ppm	ASTM D5185(m)	<1.0	<1	---	---
Sodium	ppm	ASTM D5185(m)	<0.1	0	---	---
Potassium	ppm	ASTM D5185(m)	<0.1	1	---	---
Water	%	ASTM D6304*	<0.05	0.048	---	---
ppm Water	ppm	ASTM D6304*	<500	489	---	---
Particles >4µm		ASTM D7647	>2500	▲ 11034	---	---
Particles >6µm		ASTM D7647	>640	▲ 1471	---	---
Particles >14µm		ASTM D7647	>80	41	---	---
Particles >21µm		ASTM D7647	>20	9	---	---
Particles >38µm		ASTM D7647	>4	1	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>18/16/13	▲ 21/18/13	---	---
Calcium	ppm	ASTM D5185(m)	<0.1	▲ 8	---	---
Magnesium	ppm	ASTM D5185(m)	<0.1	<1	---	---
Phosphorus	ppm	ASTM D5185(m)	<0.1	▲ 19	---	---
Zinc	ppm	ASTM D5185(m)	<0.1	2	---	---
Specific Gravity		ASTM D1298*	0.839	0.840	---	---
Fuel Color	text	Visual Screen*	Yellow	Red	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.8	---	---
Pensky-Martens Flash Point	°C	ASTM D7215*	52	▲ 20.6	---	---
Sulfur	ppm	ASTM D5185(m)	250	110	---	---
Initial Boiling Point	°C	ASTM D2887*	165	▲ 129	---	---
10% Distill Point	°C	ASTM D2887*	201	190	---	---
20% Distill Point	°C	ASTM D2887*	216	209	---	---
30% Distill Point	°C	ASTM D2887*	230	227	---	---
40% Distill Point	°C	ASTM D2887*	243	243	---	---
50% Distill Point	°C	ASTM D2887*	255	259	---	---
60% Distill Point	°C	ASTM D2887*	267	276	---	---
70% Distill Point	°C	ASTM D2887*	280	293	---	---
80% Distill Point	°C	ASTM D2887*	295	317	---	---
90% Distill Point	°C	ASTM D2887*	310	▲ 353	---	---
Final Boiling Point	°C	ASTM D2887*	341	▲ 413	---	---
API Gravity		ASTM D1298*	37.7	36	---	---
Cetane Index		ASTM D4737*	<40.0	47	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0866086
Lab Number : 02643051
Unique Number : 5800590
Test Package : FUEL (Additional Tests: CC Flash, PrtCount)

BPT COMPONENTS & PARTS INC.
 1790 BONHILL ROAD
 MISSISSAUGA, ON
 CA L5T 1C8
 Contact: Mason Burgess
 mason@bpt.on.ca
 T: (905)670-7667
 F:

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.