



Area

[134206 PAR FAB]

Machine Id

HYUNDAI 45D-9F HHKHFV35HF0001815

Component

Diesel Fuel

Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

DIAGNOSIS

▲ Recommendation

We recommend drain/flush system.

Corrosion

All metal levels are normal indicating no corrosion in the system.

▲ Contaminants

There is a high amount of gasoline present in the fuel.

▲ Fuel Condition

The fuel viscosity is lower than normal. The fuel is no longer serviceable.

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info	VCP413750	---	---
Sample Date	Client Info	10 Apr 2024	---	---
Machine Age	hrs	Client Info	672	---
Sample Status			SEVERE	---

PHYSICAL PROPERTIES method limit/base current history1 history2

Visc @ 40°C	cSt	ASTM D445	3.0	▲ 0.65	---	---
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SULFUR CONTENT method limit/base current history1 history2

Sulfur	ppm	ASTM D5185m	10	0	---	---
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CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	<1.0	0	---	---
Sodium	ppm	ASTM D5185m	<0.1	0	---	---
Potassium	ppm	ASTM D5185m	<0.1	0	---	---
Water	%	ASTM D6304	<0.05	0.003	---	---
ppm Water	ppm	ASTM D6304	<500	32	---	---
% Gasoline	%	*In-House	<0.50	▲ 55.1	---	---
% Biodiesel	%	*In-House	<20.0	0.0	---	---

HEAVY METALS method limit/base current history1 history2

Aluminum	ppm	ASTM D5185m	<0.1	0	---	---
Nickel	ppm	ASTM D5185m	<0.1	0	---	---
Lead	ppm	ASTM D5185m	<0.1	0	---	---
Vanadium	ppm	ASTM D5185m	<0.1	0	---	---
Iron	ppm	ASTM D5185m	<0.1	0	---	---
Calcium	ppm	ASTM D5185m	<0.1	0	---	---
Magnesium	ppm	ASTM D5185m	<0.1	0	---	---
Phosphorus	ppm	ASTM D5185m	<0.1	3	---	---
Zinc	ppm	ASTM D5185m	<0.1	0	---	---

SAMPLE IMAGES method limit/base current history1 history2

Color					no image	no image
Bottom					no image	no image

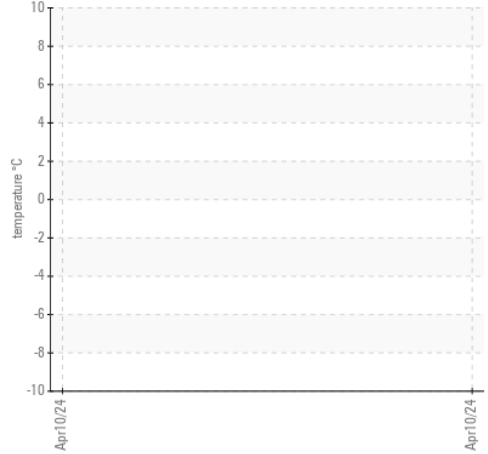
FUEL REPORT

GRAPHS

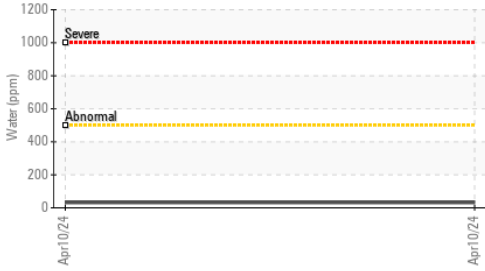
▲ Viscosity @ 40°C



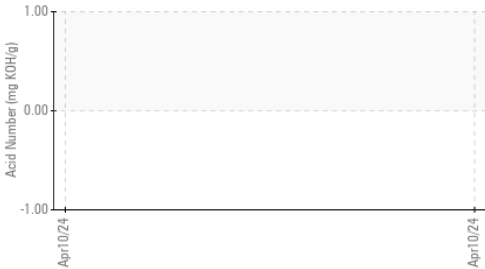
Pensky-Martens Flash Point (°C)



Water (KF)



Acid Number



Certificate L2367

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP413750
Lab Number : 06147878
Unique Number : 10977956
Test Package : MOB 1 (Additional Tests: GC-PERCFUEL, KF)

Received : 12 Apr 2024
Tested : 22 Apr 2024
Diagnosed : 22 Apr 2024 - Jonathan Hester

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