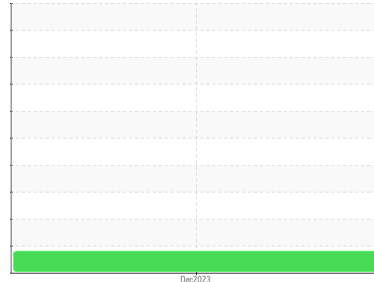


FUEL REPORT

Sample Rating Trend

OFF SPEC

Area
153921 [153921]
Machine Id
5272012654
Component
Diesel Fuel
Fluid
No.1 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)



DIAGNOSIS

Recommendation

Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Corrosion

{sans objet}

Contaminants

La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La teneur en eau est négligeable.

Fuel Condition

Les tests de laboratoire indiquent que cet échantillon ne satisfait pas aux spécifications pour No.1 carburant diesel à faible teneur en soufre (ONGC - 3,517 à 3 type A) .

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WA0019190	---	---
Sample Date	Client Info	09 Dec 2023	---	---
Machine Age	hrs Client Info	0	---	---
Sample Status		ABNORMAL	---	---

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2	
Specific Gravity	ASTM D1298*	0.825	0.826	---	---
Fuel Color	text Visual Screen*	Clear	Pink	---	---
Visc @ 40°C	cSt ASTM D7279(m)	1.8	1.9	---	---
Pensky-Martens Flash Point	°C ASTM D7215*	38	48	---	---

SULFUR CONTENT

method	limit/base	current	history1	history2	
Sulfur	ppm ASTM D5185(m)	10	13	---	---

DISTILLATION

method	limit/base	current	history1	history2	
Initial Boiling Point	°C ASTM D2887*	159	155	---	---
5% Distillation Point	°C ASTM D2887*		173	---	---
10% Distill Point	°C ASTM D2887*	184	180	---	---
15% Distillation Point	°C ASTM D2887*		187	---	---
20% Distill Point	°C ASTM D2887*	196	194	---	---
30% Distill Point	°C ASTM D2887*	205	207	---	---
40% Distill Point	°C ASTM D2887*	216	221	---	---
50% Distill Point	°C ASTM D2887*	227	235	---	---
60% Distill Point	°C ASTM D2887*	238	251	---	---
70% Distill Point	°C ASTM D2887*	251	266	---	---
80% Distill Point	°C ASTM D2887*	264	286	---	---
85% Distillation Point	°C ASTM D2887*		301	---	---
90% Distill Point	°C ASTM D2887*	288	317	---	---
95% Distillation Point	°C ASTM D2887*		344	---	---
Final Boiling Point	°C ASTM D2887*	309	381	---	---

IGNITION QUALITY

method	limit/base	current	history1	history2	
API Gravity	ASTM D1298*	40.1	39	---	---
Cetane Index	ASTM D4737*	<40.0	47	---	---

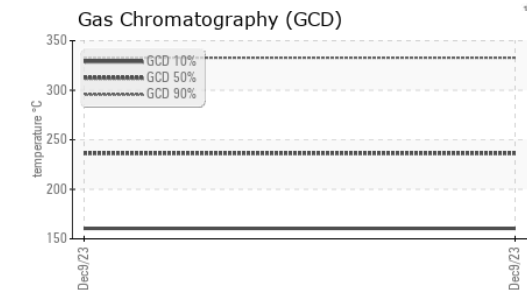
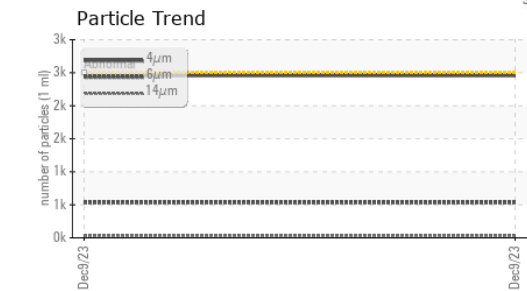
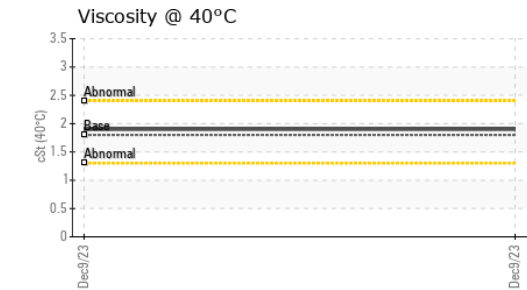
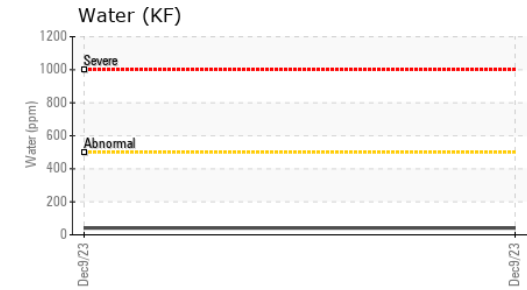
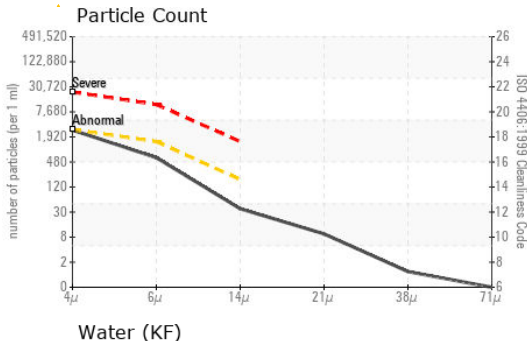
CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm ASTM D5185(m)	<1.0	0	---	---
Sodium	ppm ASTM D5185(m)	<0.1	0	---	---
Potassium	ppm ASTM D5185(m)	<0.1	<1	---	---
Water	% ASTM D6304*	<0.05	0.004	---	---
ppm Water	ppm ASTM D6304*	<500	41	---	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2	
Particles >4µm	ASTM D7647	>2500	2458	---	---
Particles >6µm	ASTM D7647	>1300	535	---	---
Particles >14µm	ASTM D7647	>160	32	---	---
Particles >21µm	ASTM D7647	>40	8	---	---
Particles >38µm	ASTM D7647	>10	1	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>18/17/14	18/16/12	---	---

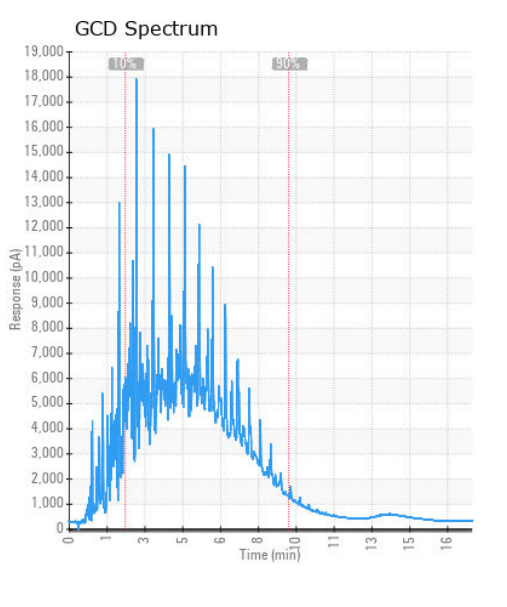
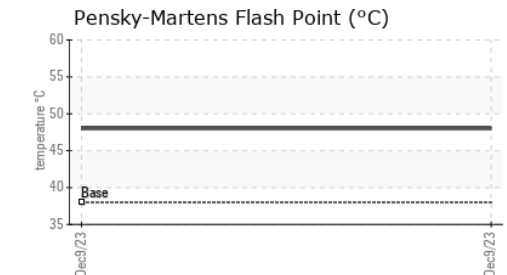
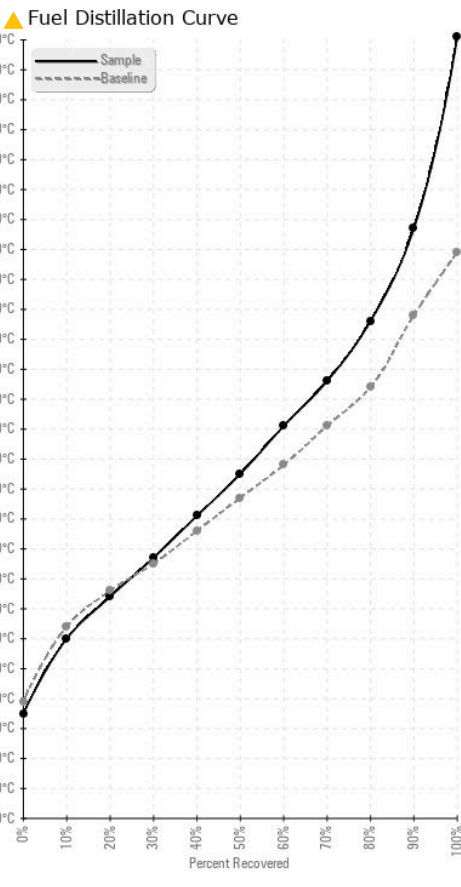
FUEL REPORT



HEAVY METALS	method	limit/base	current	history1	history2
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	<1	---
Calcium	ppm	ASTM D5185(m)	<0.1	<1	---
Magnesium	ppm	ASTM D5185(m)	<0.1	0	---
Phosphorus	ppm	ASTM D5185(m)	<0.1	<1	---
Zinc	ppm	ASTM D5185(m)	<0.1	<1	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0019190 **Received** : 15 Dec 2023
Lab Number : 02603637 **Diagnosed** : 19 Dec 2023
Unique Number : 5696722 **Diagnostician** : Kevin Marson
Test Package : FUEL (Additional Tests: CC Flash, GC-PercFuel, PrtCount)

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.

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