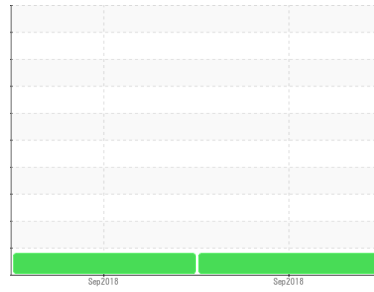




PROBLEM SUMMARY

Area
GENERAL DYNAMICS OTS [18283274008]
 Machine Id
Q002: 50 Ton
 Component
Hydraulic System
 Fluid
MOBIL DTE OIL LIGHT (--- GAL)

Sample Rating Trend

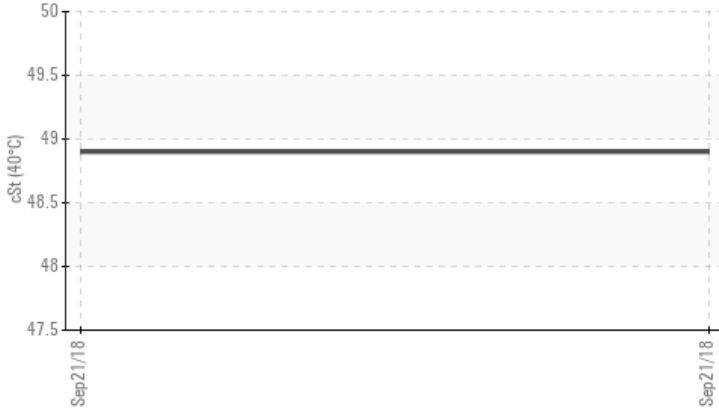


VISCOSITY



COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



RECOMMENDATION

Resample at the next service interval to monitor.
 NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

PROBLEMATIC TEST RESULTS

Sample Status			SEVERE	SEVERE	---
Visc @ 40°C	cSt	ASTM D7279(m)	▲ 48.9	▲ 48.9	---

Customer Id: GENLIN
 Sample No.: SBP83274008
 Lab Number: 83274008
 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Wes Davis +1 905-569-8600 x223
wesd@wearcheck.ca

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Information Required	---	---	?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

HISTORICAL DIAGNOSIS

VISCOSITY



21 Sep 2018 Diag: Wes Davis

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. The condition of the oil is acceptable for the time in service.

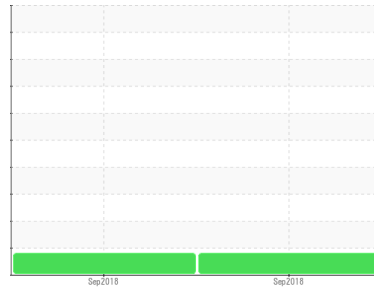
view report





OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area

GENERAL DYNAMICS OTS [18283274008]

Machine Id

Q002: 50 Ton

Component

Hydraulic System

Fluid

MOBIL DTE OIL LIGHT (--- GAL)

DIAGNOSIS

▲ Recommendation

Resample at the next service interval to monitor.
NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

▲ Fluid Condition

Viscosity of sample indicates oil is within ISO 46 range, advise investigate. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		SBP83274008	SBP83274008	---
Sample Date	Client Info		21 Sep 2018	21 Sep 2018	---
Machine Age	Client Info		0	0	---
Oil Age	Client Info		0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			SEVERE	SEVERE	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		12	12	---
Iron	ppm ASTM D5185(m)		3	3	---
Chromium	ppm ASTM D5185(m)		0	0	---
Nickel	ppm ASTM D5185(m)		0	0	---
Titanium	ppm ASTM D5185(m)		0	0	---
Silver	ppm ASTM D5185(m)		0	0	---
Aluminum	ppm ASTM D5185(m)		0	0	---
Lead	ppm ASTM D5185(m)		0	0	---
Copper	ppm ASTM D5185(m)		22	22	---
Tin	ppm ASTM D5185(m)		0	0	---
Vanadium	ppm ASTM D5185(m)		0	0	---
Cadmium	ppm ASTM D5185(m)		0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)		0	0	---
Barium	ppm ASTM D5185(m)		0	0	---
Molybdenum	ppm ASTM D5185(m)		0	0	---
Manganese	ppm ASTM D5185(m)		0	0	---
Magnesium	ppm ASTM D5185(m)		0	0	---
Calcium	ppm ASTM D5185(m)		9	9	---
Phosphorus	ppm ASTM D5185(m)		135	135	---
Zinc	ppm ASTM D5185(m)		82	82	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)		1	1	---
Sodium	ppm ASTM D5185(m)		0	0	---
Potassium	ppm ASTM D5185(m)		0	0	---
Chlorine	ppm ASTM D5185(m)		0	0	---
Water	% ASTM D6304*		0.004	0.004	---

FLUID CLEANLINESS

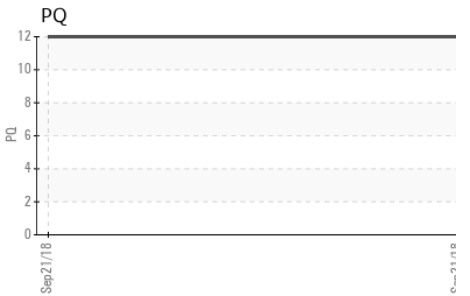
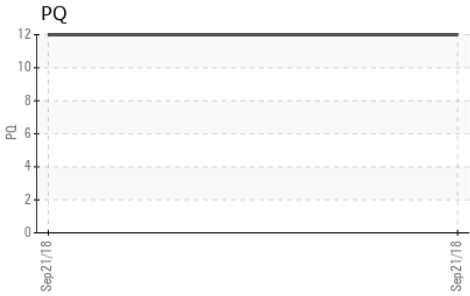
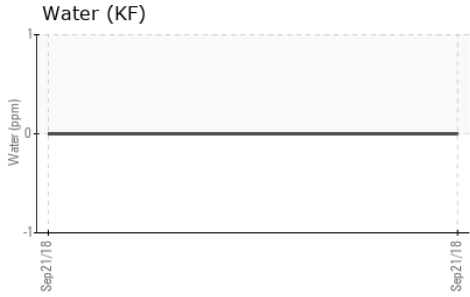
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		194136	194136	---
Particles >6µm	ASTM D7647		103809	103809	---
Particles >14µm	ASTM D7647		17641	17641	---
Oil Cleanliness	ISO 4406 (c)		25/24/21	25/24/21	---

FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D7279(m)		▲ 48.9	▲ 48.9	---

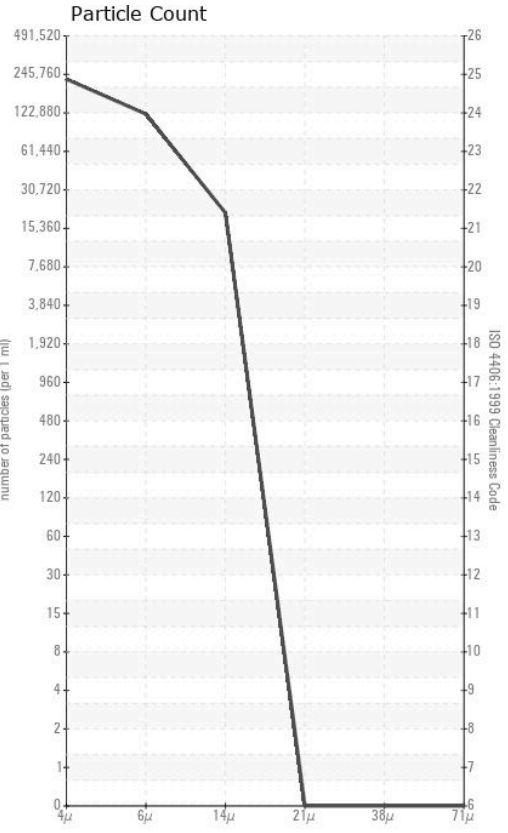
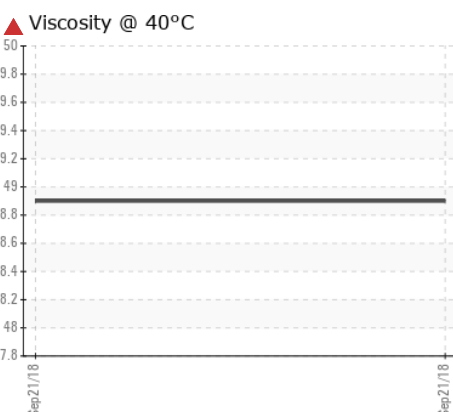
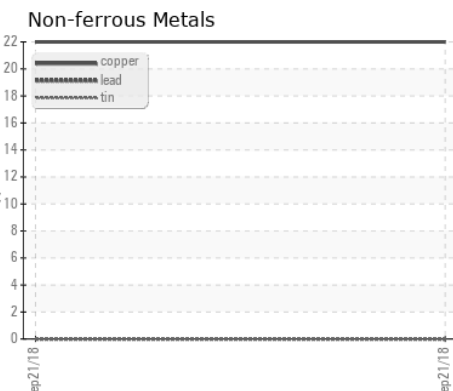
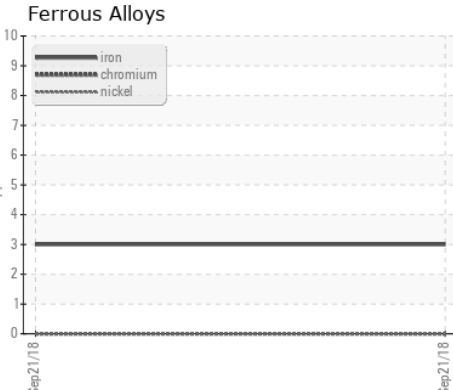


OIL ANALYSIS REPORT



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

GRAPHS



Laboratory : WearCheck -
Sample No. : SBP83274008
Lab Number : 83274008
Unique Number : 14443517
Test Package : PLANT (Additional Tests: ICP, KF, KV40, PQ, 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.

Received : 10 Oct 2018
Tested : 12 Oct 2018
Diagnosed : 22 Jul 2021 - Wes Davis

General Dynamics OTS - 701957
 4300 Industrial Ave
 Lincoln, NE
 US 68504
 Contact: GREG GAWARECKI
 greg.gawarecki@gd-ots.com