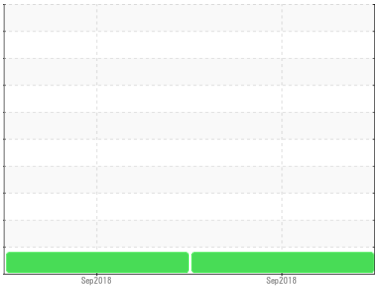
PROBLEM SUMMARY

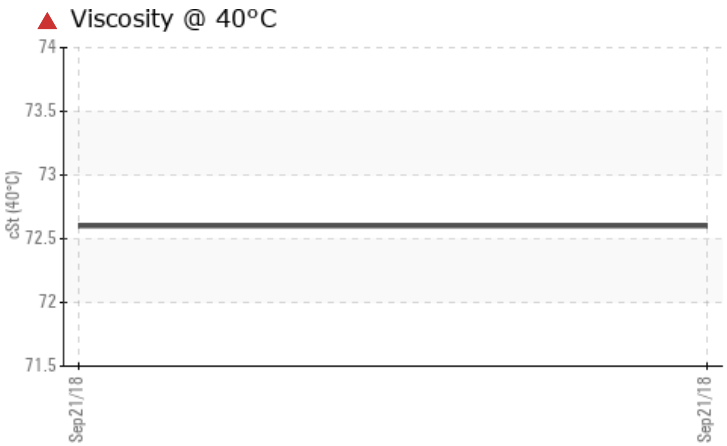
Area
GENERAL DYNAMICS OTS [18283229002]
Machine Id
Q003: 700 Ton Danly
Component
Hydraulic System
Fluid
MOBIL DTE OIL HEAVY (--- GAL)

Sample Rating Trend



VISCOSITY

COMPONENT CONDITION SUMMARY



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)		▲ **72.6**	▲ 72.6	---

Customer Id: GENLIN
Sample No.: SBP83229002
Lab Number: 83229002
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

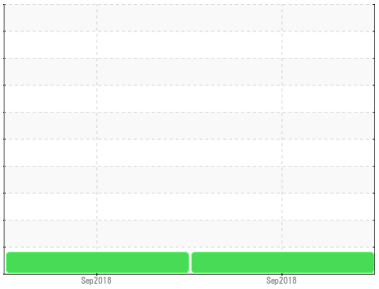
21 Sep 2018 Diag: Wes Davis

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 68 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 [18283229002]
Machine Id
Q003: 700 Ton Danly
Component
Hydraulic System
Fluid
MOBIL DTE OIL HEAVY (--- 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 68 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		**SBP83229002**	SBP83229002	---
Sample Date		Client Info		**21 Sep 2018**	21 Sep 2018	---
Machine Age		Client Info		**1471**	1471	---
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*		**16**	16	---
Iron	ppm	ASTM D5185(m)		**0**	0	---
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)		**0**	0	---
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)		**1**	1	---
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)		**0**	0	---
Phosphorus	ppm	ASTM D5185(m)		**0**	0	---
Zinc	ppm	ASTM D5185(m)		**0**	0	---

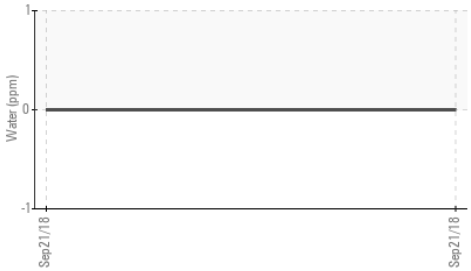
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		**0**	0	---
Sodium	ppm	ASTM D5185(m)		**0**	0	---
Potassium	ppm	ASTM D5185(m)		**8**	8	---
Chlorine	ppm	ASTM D5185(m)		**0**	0	---
Water	%	ASTM D6304*		**0.004**	0.004	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		**236912**	236912	---
Particles >6µm		ASTM D7647		**174151**	174151	---
Particles >14µm		ASTM D7647		**55666**	55666	---
Oil Cleanliness		ISO 4406 (c)		**25/25/23**	25/25/23	---

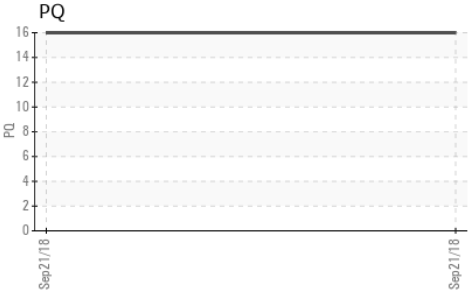
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		▲ **72.6**	▲ 72.6	---

OIL ANALYSIS REPORT

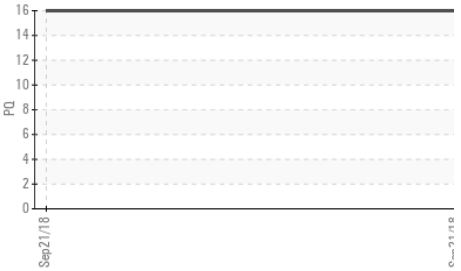
Water (KF)



PQ



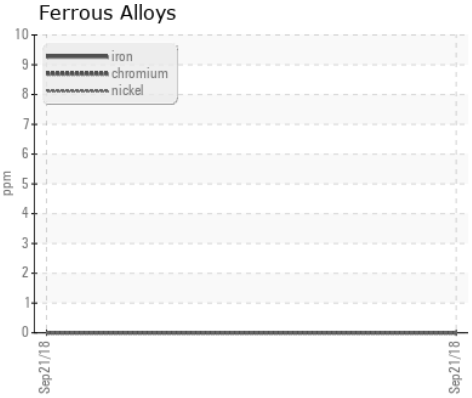
PQ



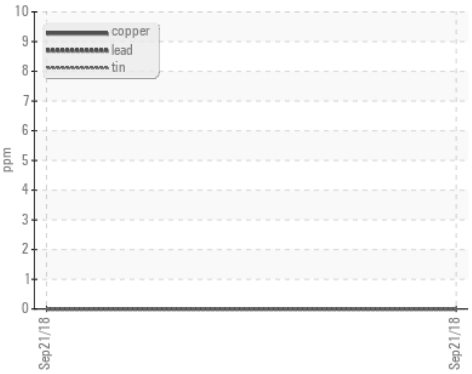
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS

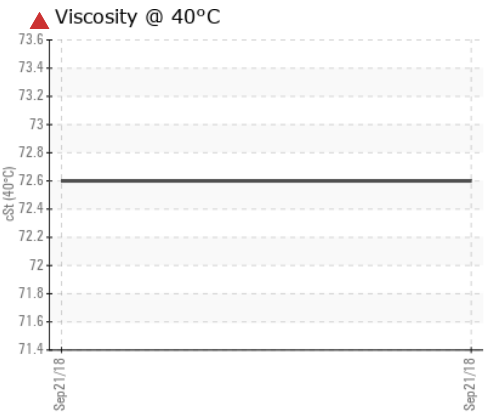
Ferrous Alloys



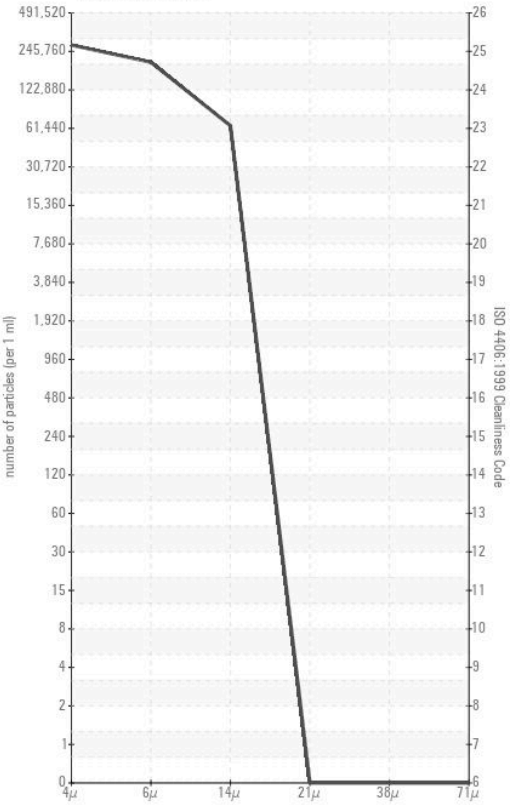
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Laboratory : WearCheck -
Sample No. : SBP83229002
Lab Number : 83229002
Unique Number : 14443518
Test Package : PLANT (Additional Tests: ICP, KF, KV40, PQ, PrtCount)

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

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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