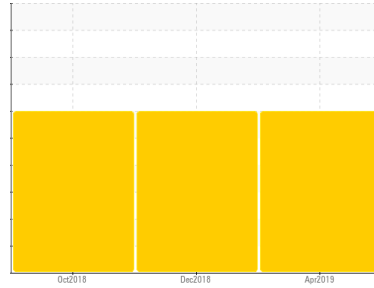




PROBLEM SUMMARY

Sample Rating Trend



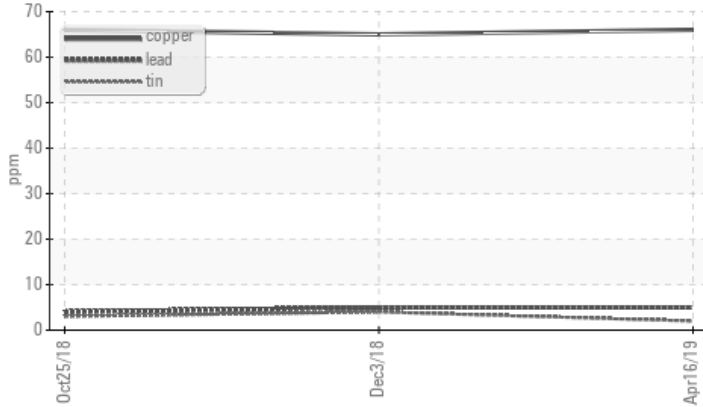
WEAR



Area
OMAHA WORLD HERALD [19112102004]
 Machine Id
LGV-01
 Component
Hydraulic System
 Fluid
MOBIL DTE 13M (--- GAL)

COMPONENT CONDITION SUMMARY

Non-ferrous Metals



RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

PROBLEMATIC TEST RESULTS

Sample Status			SEVERE	SEVERE	SEVERE
Copper	ppm	ASTM D5185(m)	66	65	66

Customer Id: OMA1314OMA
 Sample No.: SBP12102004
 Lab Number: 12102004
 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
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Information Required	---	---	?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

HISTORICAL DIAGNOSIS

03 Dec 2018 Diag: Wes Davis

WEAR



We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Copper ppm levels are severe. Oil cooler core leaching or motor piston wear is indicated. The water content is negligible. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

view report



25 Oct 2018 Diag: Wes Davis

WEAR



We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Copper ppm levels are severe. Oil cooler core leaching or motor piston wear is indicated. The water content is negligible. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

view report





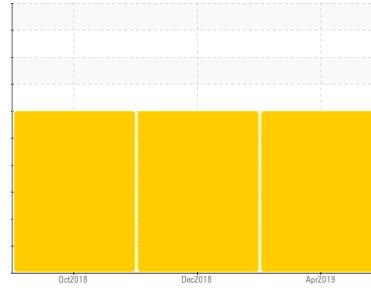
OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Area
OMAHA WORLD HERALD [19112102004]
 Machine Id
LGV-01
 Component
Hydraulic System
 Fluid
MOBIL DTE 13M (--- GAL)



DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

Copper ppm levels are severe. Oil cooler core leaching or motor piston wear is indicated.

Contamination

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

Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		SBP12102004	SBP40464007	SBP17449032
Sample Date	Client Info		16 Apr 2019	03 Dec 2018	25 Oct 2018
Machine Age	hrs	Client Info	20327	19974	19972
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			SEVERE	SEVERE	SEVERE

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	2	2
Iron	ppm	ASTM D5185(m)	3	2	3
Chromium	ppm	ASTM D5185(m)	4	4	4
Nickel	ppm	ASTM D5185(m)	0	0	0
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	0	0	0
Aluminum	ppm	ASTM D5185(m)	0	0	0
Lead	ppm	ASTM D5185(m)	5	5	4
Copper	ppm	ASTM D5185(m)	66	65	66
Tin	ppm	ASTM D5185(m)	2	4	3
Vanadium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	0	0
Barium	ppm	ASTM D5185(m)	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0
Manganese	ppm	ASTM D5185(m)	0	0	0
Magnesium	ppm	ASTM D5185(m)	1	1	1
Calcium	ppm	ASTM D5185(m)	129	138	130
Phosphorus	ppm	ASTM D5185(m)	511	556	528
Zinc	ppm	ASTM D5185(m)	725	875	720

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	1	0	1
Sodium	ppm	ASTM D5185(m)	4	2	3
Potassium	ppm	ASTM D5185(m)	1	0	0
Chlorine	ppm	ASTM D5185(m)	0	0	0
Water	%	ASTM D6304*	0.009	0.011	0.238

FLUID CLEANLINESS

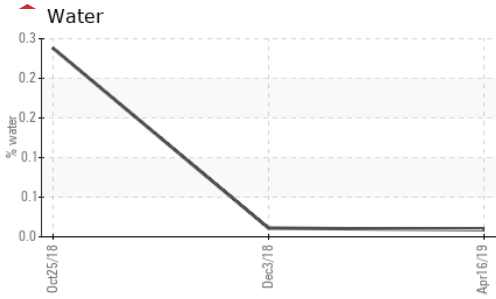
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		128503	75691	119574
Particles >6µm	ASTM D7647		5956	4645	11280
Particles >14µm	ASTM D7647		37	94	215
Oil Cleanliness	ISO 4406 (c)		24/20/12	23/19/14	24/21/15

FLUID PROPERTIES

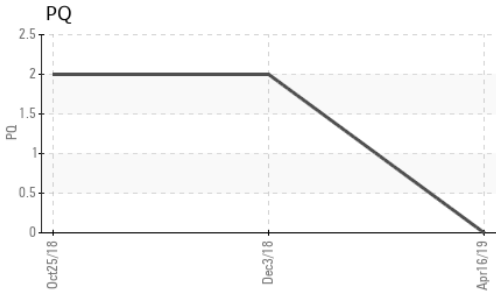
	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	33.2	33.5	33.4



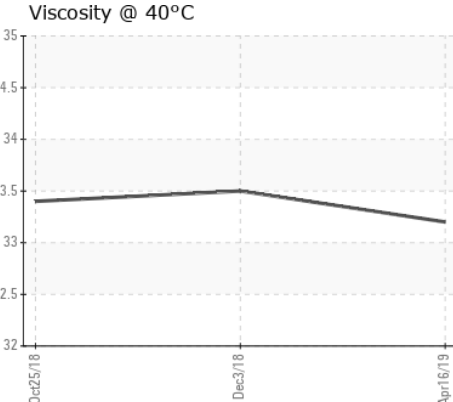
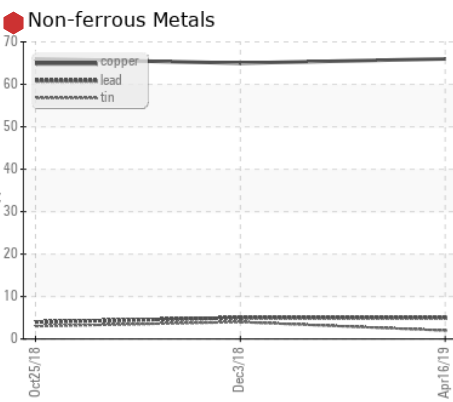
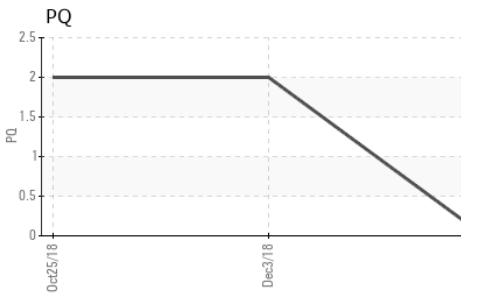
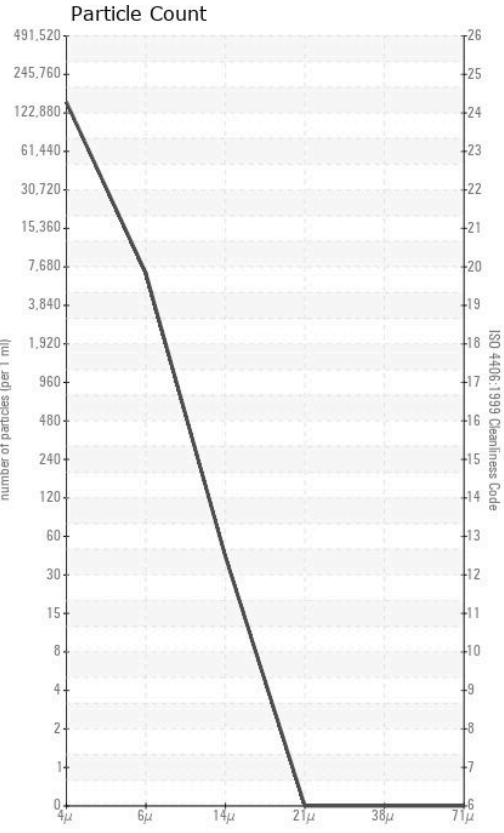
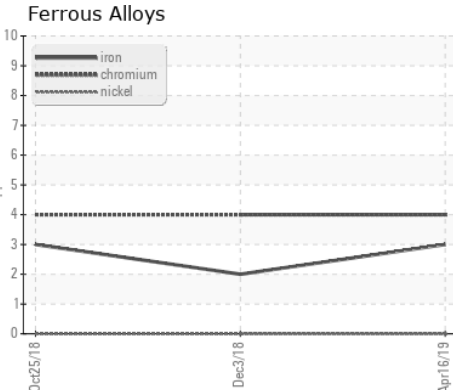
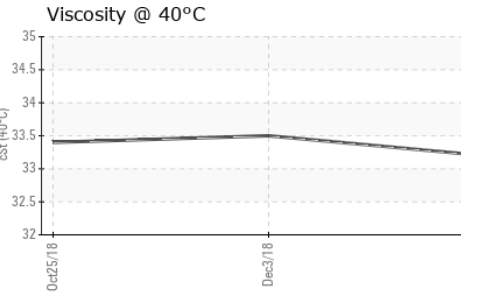
OIL ANALYSIS REPORT



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. : SBP12102004 **Received** : 22 Apr 2019
Lab Number : 12102004 **Diagnosed** : 22 Jul 2021
Unique Number : 14441076 **Diagnostician** : Wes Davis
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.

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