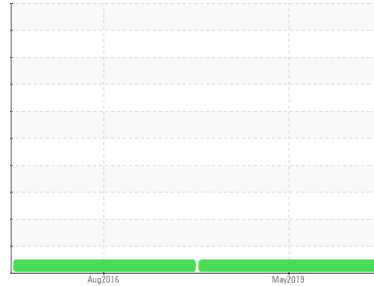




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
KM-3301 1ST STAGE GAS COMP

Component
Compressor
Fluid
{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number			PP	WC	---
Sample Date			26 May 2019	12 Aug 2016	---
Machine Age	cyc	Client Info	0	0	---
Oil Age	cyc	Client Info	0	0	---
Oil Changed		Client Info	N/A	N/A	---
Sample Status			NORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		46	11	---
Iron	ppm ASTM D5185(m)	>50	0	<1	---
Chromium	ppm ASTM D5185(m)	>5	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)	>15	0	0	---
Lead	ppm ASTM D5185(m)	>65	<1	4	---
Copper	ppm ASTM D5185(m)	>65	<1	<1	---
Tin	ppm ASTM D5185(m)	>10	2	1	---
Antimony	ppm ASTM D5185(m)		0	0	---
Vanadium	ppm ASTM D5185(m)		0	0	---
Beryllium	ppm ASTM D5185(m)		0	0	---
Cadmium	ppm ASTM D5185(m)		<1	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)		0	<1	---
Barium	ppm ASTM D5185(m)		0	0	---
Molybdenum	ppm ASTM D5185(m)		0	0	---
Manganese	ppm ASTM D5185(m)		<1	0	---
Magnesium	ppm ASTM D5185(m)		<1	0	---
Calcium	ppm ASTM D5185(m)		52	50	---
Phosphorus	ppm ASTM D5185(m)		321	332	---
Zinc	ppm ASTM D5185(m)		420	424	---
Sulfur	ppm ASTM D5185(m)		3642	3638	---
Lithium	ppm ASTM D5185(m)		0	<1	---

CONTAMINANTS

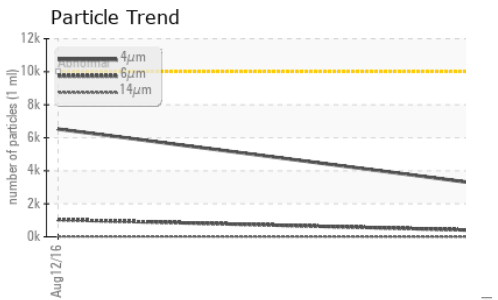
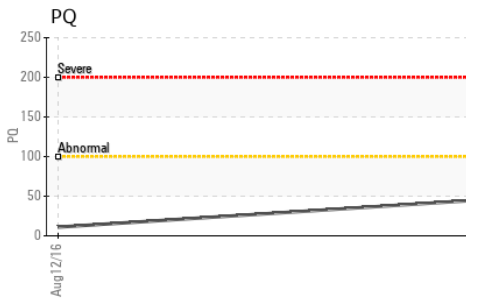
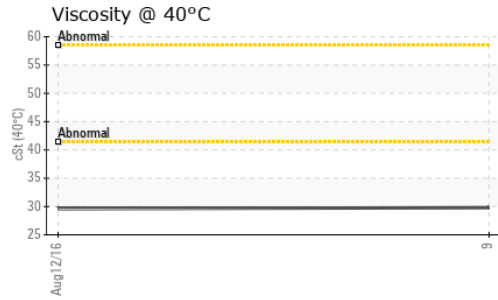
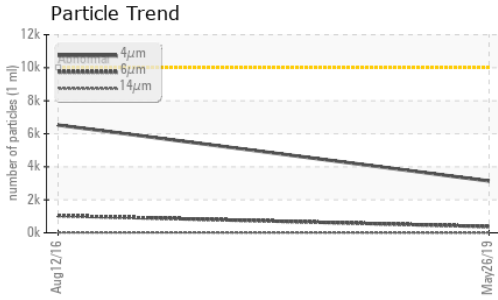
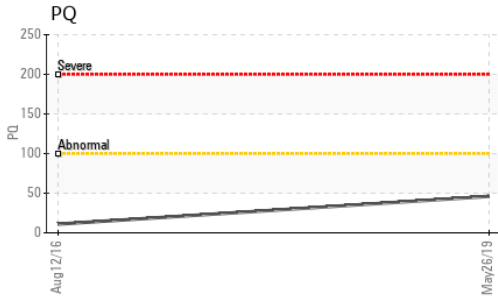
	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	>35	2	2	---
Sodium	ppm ASTM D5185(m)		<1	<1	---
Potassium	ppm ASTM D5185(m)	>20	0	0	---

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	3139	6527	---
Particles >6µm	ASTM D7647	>2500	378	1038	---
Particles >14µm	ASTM D7647	>320	9	24	---
Particles >21µm	ASTM D7647	>80	2	6	---
Particles >38µm	ASTM D7647	>20	0	0	---
Particles >71µm	ASTM D7647	>4	0	0	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	19/16/10	20/17/12	---



OIL ANALYSIS REPORT

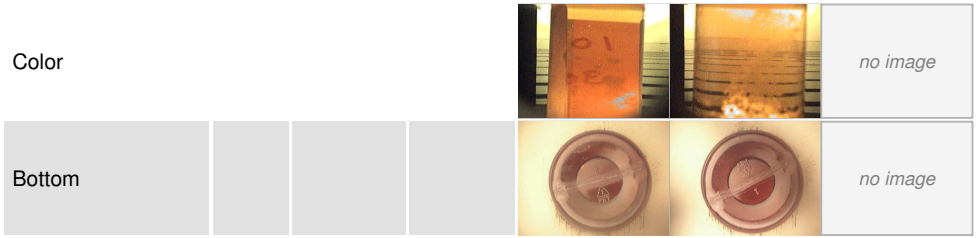


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.474	0.58	---

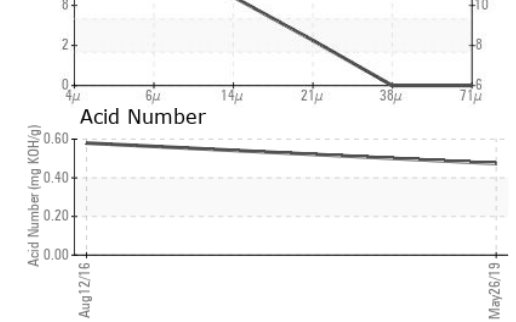
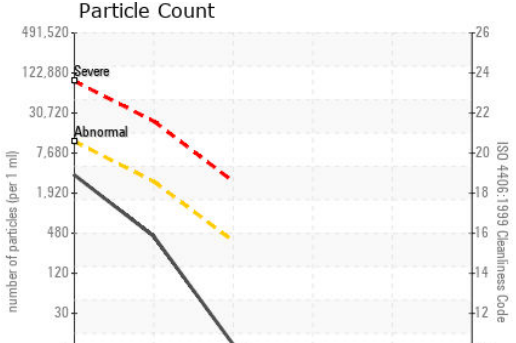
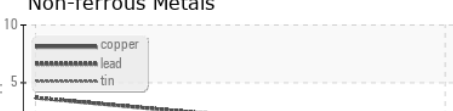
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---
Free Water	scalar	Visual*		NEG	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7793(m)		29.8	29.6	---

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **HIBERNIA MGMT & DEVELOPMENT CO. LTD**
Sample No. : PP **Received** : 27 May 2019 **SUITE 1000,, 100 NEW GOWER STREET**
Lab Number : **02287309** **Diagnosed** : 29 May 2019 **ST. JOHNS, NL**
Unique Number : 4874570 **Diagnostician** : Kevin Marson **CA A1C 6K3**
Test Package : MAR 2 (Additional Tests: PrtCount) **Contact: Christopher Michelau**
christopher.j.michelau@exxonmobil.com
T: (709)722-3766
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.