

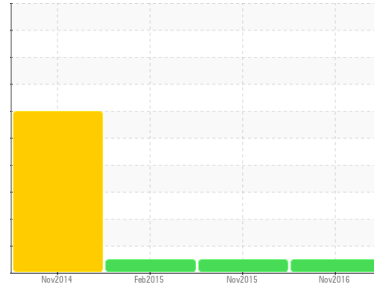


OIL ANALYSIS REPORT



Area
1883 McNicoll Ch#1 [9980]
 Machine Id
CARRIER 2898J58451
 Component
Chiller
 Fluid
{not provided} (--- GAL)

Sample Rating Trend



NORMAL



DIAGNOSIS

Recommendation

The analysis continues to show elevated wear rates associated with the thrust assembly and for main bearings. A service engineer should review the operation for possible causes i.e. surging, frequent starts, etc. An internal overhaul may be necessary if the trend continues.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GTT9980	GTT9981	GTT9982
Sample Date	Client Info		17 Nov 2016	23 Nov 2015	18 Feb 2015
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	4	7	<1
Chromium	ppm	ASTM D5185(m)	<1	<1	<1
Aluminum	ppm	ASTM D5185(m)	<1	<1	<1
Lead	ppm	ASTM D5185(m)	<1	<1	<1
Copper	ppm	ASTM D5185(m)	<1	<1	<1
Tin	ppm	ASTM D5185(m)	22	27	1

ADDITIVES

	method	limit/base	current	history1	history2
Zinc	ppm	ASTM D5185(m)	7	20	1

CONTAMINANTS

	method	limit/base	current	history1	history2
ppm Water	ppm	ASTM D6304*	50	94	35

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.040	0.068	0.045

SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color				<i>no image</i>	<i>no image</i>
Bottom				<i>no image</i>	<i>no image</i>

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GRAPHS



Sample No. : GTT9980 **Recieved** : 24 Nov 2016
Lab Number : 20163053 **Diagnosed** : 18 Jan 2017
Unique Number : 15934944 **Diagnostician** : Wes Davis
Test Package : IND 2 (Additional Tests: ICP, KF, TAN Auto)

To discuss this sample report, contact Customer Service at 1-905-847-9300 Ext 26.

Test denoted () outside scope of accreditation, (m) method modified, (e) tested at external lab.*

Damages: Seller shall in no event be liable for special, incidental, or consequential damages, of a commercial nature, resulting from any cause.

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