

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

CINCINNATI BRAKE-06 (S/N 47514)

Hydraulic System

MOBIL DTE 24 (150 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0768853	WCI2320270	WCI2320274
Sample Date		Client Info		26 Feb 2024	28 Aug 2020	03 Jul 2018
Machine Age	hrs	Client Info		50733	45600	41459
Oil Age	hrs	Client Info		25000	20000	20000
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ATTENTION	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2	1	1
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>20	2	0	0
Lead	ppm	ASTM D5185m	>20	<1	0	0
Copper	ppm	ASTM D5185m	>20	2	1	<1
Tin	ppm	ASTM D5185m	>20	<1	0	0
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	<1	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		6	7	4
Calcium	ppm	ASTM D5185m		143	146	138
Phosphorus	ppm	ASTM D5185m		535	524	482
Zinc	ppm	ASTM D5185m		759	743	661
Sulfur	ppm	ASTM D5185m		8100	6857	8089
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	<1	<1
Sodium	ppm	ASTM D5185m		1	<1	2
Potassium	ppm	ASTM D5185m	>20	1	<1	<1
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		4459	240	1230
Particles >6µm		ASTM D7647	>640	<u> </u>	80	438
Particles >14µm		ASTM D7647	>80	77	16	59
Particles >21µm		ASTM D7647		19	7	21
Particles >38µm		ASTM D7647	>4	0	1	2

0

ISO 4406 (c) >--/16/13 • 19/17/13

ASTM D7647 >3

Particles >71µm

Oil Cleanliness

15/13/11

0

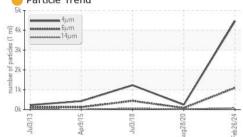
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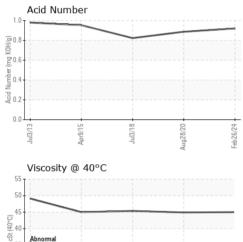
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	4μm			
4k -	• 6μm			/
********	~14µm			
4k				1
				/
2k				
		_	1	
1k	-		_ /	AND DESCRIPTION OF
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Jul3/13	Apr9/15	Jul3/18	Aug28/20	
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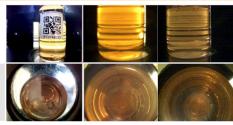




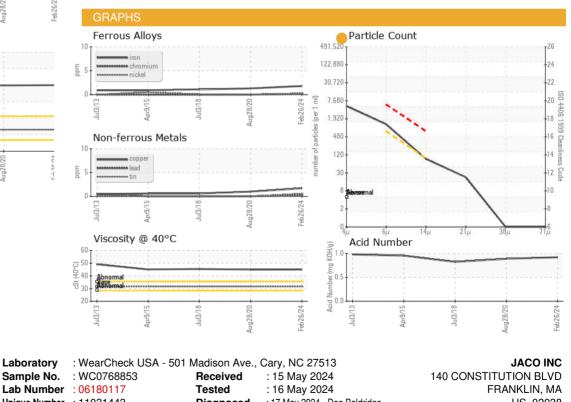
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FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.92	0.887	0.823
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	31.5	45.0	44.9	45.37
SAMPLE IMAGES		method	limit/base	current	history1	history2
				A REAL PROPERTY AND		1 Jan 19 19

Color



Bottom





Abno 35

Base

Abnormal

30

25

Unique Number : 11031443 Diagnosed : 17 May 2024 - Don Baldridge Test Package : IND 2 Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Contact/Location: RICH GONGOL - JACFRA

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