

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id

CINCINATI BRAKE-14 (S/N 52245)

Hydraulic System

MOBIL DTE 25 (160 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

	ATION					
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0768851	WCI2320275	WCI2320254
Sample Date		Client Info		12 Mar 2024	27 Aug 2020	03 Jul 2018
Machine Age	hrs	Client Info		51956	45368	40810
Oil Age	hrs	Client Info		22100	20000	11100
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	ATTENTION
CONTAMINATION	I	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	<1	<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	<1
Aluminum	ppm	ASTM D5185m	>20	2	0	0
Lead	ppm	ASTM D5185m	>20	<1	0	0
Copper	ppm	ASTM D5185m	>20	2	2	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	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		79	79	81
Calcium	ppm	ASTM D5185m		13	13	7
Phosphorus	ppm	ASTM D5185m		297	276	265
Zinc	ppm	ASTM D5185m		344	345	309
Sulfur	ppm	ASTM D5185m		5130	4168	5181
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	2	2
Sodium	ppm	ASTM D5185m		4	3	4
Potassium	ppm	ASTM D5185m	>20	1	<1	<1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		320	351	297
Particles >6µm		ASTM D7647	>640	38	67	48
Particles >14µm		ASTM D7647	>80	5	15	8
Particles >21µm		ASTM D7647	>20	2	7	3
Particles >38µm		ASTM D7647	>4	0	1	0
Dortiolog 71.0m			0	0	0	0

ASTM D7647 >3

ISO 4406 (c) >--/16/13

0

15/12/10

Particles >71µm

Oil Cleanliness

16/13/11

0

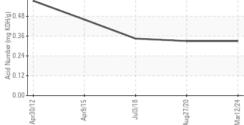
15/13/10

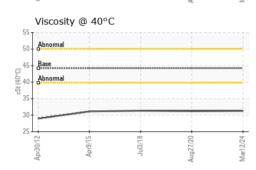
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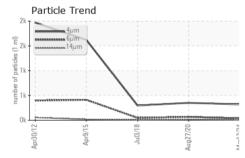


OIL ANALYSIS REPORT

Particl	e Trend				FLU
Ē 2k	4μm 6μm 14μm				Acid I
thicles (\sim				VIS
The 2k - sappined 1k - saquar 1k -)				White
lk -		\sim			Yellov
Ok	- Andrewson and a second se	An owners to see the second			Preci
	Apr9/15 -	Jul3/18 -	7/20 -	2/24	Silt
Apr30/12	Apri	շու	Aug27/20	Mar12/24	Debri
					Sand
Acid N 0.60 T 3	lumber				Appe
					• •



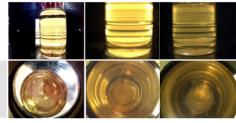




FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.33	0.330	0.345
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.2	31.3	31.2	91.35
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
						- 1.0 1 1 1 mm

Color

Bottom



Ferrous Alloys Particle Count 10 491,520 122,880 bpm • chr 30,720 20 4406:1999 Clean R 7.680 un:9/15 ug27/20 Mar12/24 Anr30/12 (per 1 1,920 480 Non-ferrous Metals 120 14 30 12 8 Mar12/24 Vpr9/1 Viscosity @ 40°C Acid Number (B/H0.60 60 (j 50 0+ 40 Ê 0.40 년 0.20 경 30 Acid N 000 20 Aug27/20 -Mar12/24 -Apr9/15. Jul3/18 Mar12/24 lul3/18 Aug27/20 Anr9/15 Apr30/12 Anr30/12

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 JACO INC Sample No. : WC0768851 140 CONSTITUTION BLVD Received : 15 May 2024 Lab Number : 06180119 Tested : 16 May 2024 FRANKLIN, MA Unique Number : 11031445 Diagnosed : 17 May 2024 - Don Baldridge US 02038 Test Package : IND 2 Contact: RICH GONGOL Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. rgongol@jacoinc.com;rgongol@msn.com T: (508)446-7480 * - 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) F: (508)553-1099

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Contact/Location: RICH GONGOL - JACFRA

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