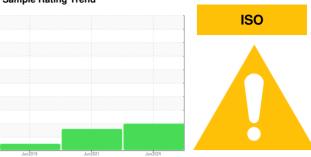


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

CINN 500 WEST

Hydraulic System

MOBIL DTE 24 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

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

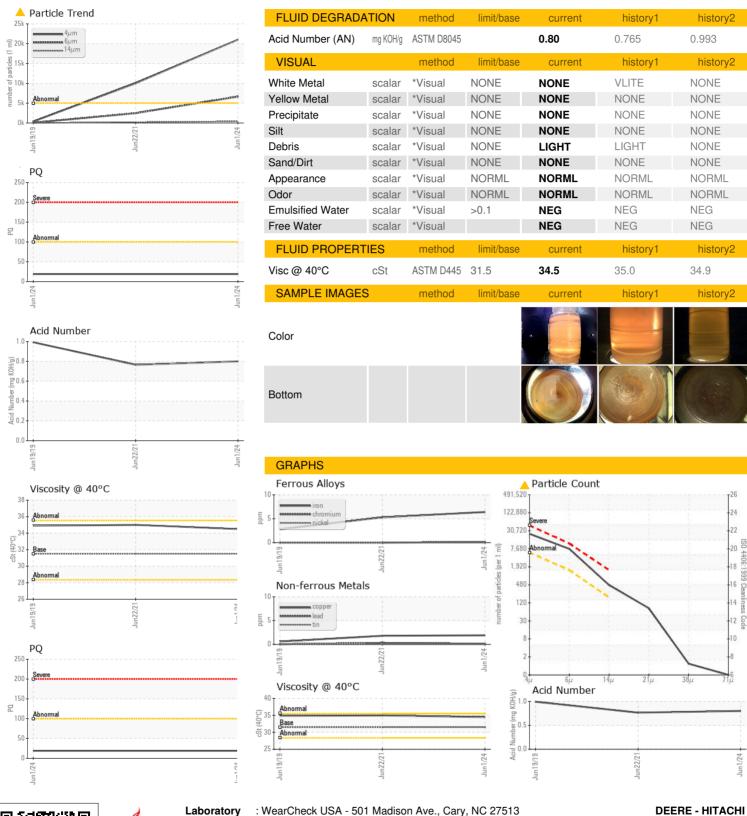
Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Sample Date Client Info 0 Jun 2024 22 Jun 2021 19 Jun 2019			Jur	.2019	Jun2021 Jun2	024	
Pample Date Client Info O1 Jun 2024 22 Jun 2021 19 Jun 2019	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Date Client Info 0 Jun 2024 22 Jun 2021 19 Jun 2019	Sample Number		Client Info		WCI007376	WCI007417	WCI007399
Bit Age hrs Client Info N/A N/A N/A N/A Bit Changed Client Info N/A N/A N/A N/A atample Status Method Imitibase current history1 history2 Vater WC Method Vo.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 WEAR METALS method limit/base current history1 history2 Q ASTM D5185m >20 6 5 3 On ppm ASTM D5185m >10 <1 0 idevenium ppm ASTM D5185m >10 2 0 0 duminum ppm ASTM D5185m >10 <1 <1 0 0 duminum ppm ASTM D5185m >10 <1 <1 0 0 duminum ppm ASTM D5185m >10 <1 <1 0	Sample Date		Client Info		01 Jun 2024	22 Jun 2021	19 Jun 2019
Client Info	Machine Age	hrs	Client Info		0	0	0
ABNORMAL ABNORMAL	Oil Age	hrs	Client Info		0	0	0
CONTAMINATION method limit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Q ASTM D5185m 20 6 5 3 chromium ppm ASTM D5185m >10 <1 0 0 dickel ppm ASTM D5185m >10 <1 0 0 distanium ppm ASTM D5185m >10 0 0 0 distanium ppm ASTM D5185m >10 2 0 0 distanium ppm ASTM D5185m >10 2 0 0 dead ppm ASTM D5185m >10 2 2 <1 0 dead ppm ASTM D5185m >10 0 0 0 0 dead ppm ASTM D5185m 0 0 0	Oil Changed		Client Info		N/A	N/A	N/A
Wear WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Q ASTM D8184 19 Chromium ppm ASTM D5185m >10 <1 0 0 Bromium ppm ASTM D5185m >10 <1 0 0 dickel ppm ASTM D5185m >10 0 0 0 distanium ppm ASTM D5185m >10 2 0 0 distanium ppm ASTM D5185m >10 2 0 0 ead ppm ASTM D5185m >10 0 0 0 distancium ppm ASTM D5185m >75 2 2 2 <1 dandium ppm ASTM D5185m 0 0 0 0 dandium ppm ASTM D5185m 0 <1 0 0	Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS method limit/base current history1 history2 Q ASTM D8184 19 on ppm ASTM D5185m >20 6 5 3 chromium ppm ASTM D5185m >10 0 0 0 dickel ppm ASTM D5185m >10 0 0 0 distanium ppm ASTM D5185m >10 2 0 0 distriction ppm ASTM D5185m >10 2 0 0 dead ppm ASTM D5185m >10 2 2 <1 0 dead ppm ASTM D5185m >10 0 0 0 0 dead ppm ASTM D5185m >10 0 0 0 0 0 dead ppm ASTM D5185m >10 0 0 0 0 0 0 0 0 0 0	CONTAMINATIO	N	method	limit/base	current	history1	history2
Q ASTM D8184 19 on ppm ASTM D5185m >20 6 5 3 chromium ppm ASTM D5185m >10 <1	Water		WC Method	>0.1	NEG	NEG	NEG
on ppm ASTM D5185m >20 6 5 3 chromium ppm ASTM D5185m >10 <1	WEAR METALS		method	limit/base	current	history1	history2
Strict	PQ		ASTM D8184		19		
Idicket	Iron	ppm	ASTM D5185m	>20	6	5	3
aitanium ppm ASTM D5185m <1 0 0 dilver ppm ASTM D5185m 0 <1 0 duminum ppm ASTM D5185m >10 2 0 0 dead ppm ASTM D5185m >10 <1 <1 0 dead ppm ASTM D5185m >75 2 2 <1 o deproper ppm ASTM D5185m >10 0 0 0 0 deproper ppm ASTM D5185m 0 0 0 0 deproper ppm ASTM D5185m 0 0 0 0 0 dendulum ppm ASTM D5185m 0 <th< td=""><td>Chromium</td><td>ppm</td><td>ASTM D5185m</td><td>>10</td><th><1</th><td>0</td><td>0</td></th<>	Chromium	ppm	ASTM D5185m	>10	<1	0	0
ASTM D5185m O	Nickel	ppm	ASTM D5185m	>10	0	0	0
ASTM D5185m >10 2 0 0 0 0 0 0 0 0	Titanium	ppm	ASTM D5185m		<1	0	0
Part	Silver	ppm	ASTM D5185m		0	<1	0
Description	Aluminum	ppm	ASTM D5185m	>10	2	0	0
Inn	Lead	ppm	ASTM D5185m	>10	<1	<1	0
Astronomy As	Copper	ppm	ASTM D5185m	>75	2	2	<1
Asym D5185m Q	Tin	ppm	ASTM D5185m	>10	0	0	0
ADDITIVES method limit/base current history1 history2 foron ppm ASTM D5185m 0 <1	Antimony	ppm	ASTM D5185m			0	0
ADDITIVES method limit/base current history1 history2 foron ppm ASTM D5185m 0 <1	Vanadium	ppm	ASTM D5185m		0	0	0
Soron Spm ASTM D5185m O <1 O O	Cadmium	ppm	ASTM D5185m		<1	0	0
Astrium Astronome Astro	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum	Boron	ppm	ASTM D5185m		0	<1	0
Manganese ppm ASTM D5185m 0	Barium	ppm	ASTM D5185m		<1	0	0
Magnesium ppm ASTM D5185m 2 1 1 Falcium ppm ASTM D5185m 118 134 132 Phosphorus ppm ASTM D5185m 430 475 461 inc ppm ASTM D5185m 669 706 672 Julfur ppm ASTM D5185m 5291 5161 4871 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 1 <1 2 Godium ppm ASTM D5185m >20 1 <1 <1 <1 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 >5000 21039 10018 367 Particles >6μm ASTM D7647 >1300 6664 2479 53 Particles >21μm ASTM D7647 >40 70 52 1 Particles >38μm </td <td>Molybdenum</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th><1</th> <td>0</td> <td>0</td>	Molybdenum	ppm	ASTM D5185m		<1	0	0
Salcium ppm ASTM D5185m 118 134 132 Phosphorus ppm ASTM D5185m 430 475 461 Sinc ppm ASTM D5185m 669 706 672 Sulfur ppm ASTM D5185m 5291 5161 4871 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 1 <1 2 Godium ppm ASTM D5185m >20 1 <1 <1 <1 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 >5000 21039 10018 367 Particles >6μm ASTM D7647 >1300 6664 2479 53 Particles >21μm ASTM D7647 >40 70 52 1 Particles >38μm ASTM D7647 >10 1 2 0 Particles >	Manganese	ppm	ASTM D5185m		0	<1	<1
Proposition of the population of the popu	Magnesium	ppm	ASTM D5185m		2	1	1
inc	Calcium	ppm	ASTM D5185m		118	134	132
Fulfur ppm ASTM D5185m 5291 5161 4871 CONTAMINANTS method limit/base current history1 history2 idicon ppm ASTM D5185m >20 1 <1	Phosphorus	ppm	ASTM D5185m		430	475	461
CONTAMINANTS method limit/base current history1 history2 dilicon ppm ASTM D5185m >20 1 <1	Zinc	ppm	ASTM D5185m		669	706	672
Section Se	Sulfur	ppm	ASTM D5185m		5291	5161	4871
Sodium Some page Some page Some page Some page page page page page page page pag	CONTAMINANT	S	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 1 <1 1 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 >5000 21039 10018 367 Particles >6μm ASTM D7647 >1300 6664 2479 53 Particles >14μm ASTM D7647 >160 414 196 5 Particles >21μm ASTM D7647 >40 70 52 1 Particles >38μm ASTM D7647 >10 1 2 0 Particles >71μm ASTM D7647 >3 0 0 0	Silicon	ppm	ASTM D5185m	>20	1	<1	2
FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 >5000 Δ 21039 Δ 10018 367 Particles >6μm ASTM D7647 >1300 Δ 6664 Δ 2479 53 Particles >14μm ASTM D7647 >160 Δ 414 Δ 196 5 Particles >21μm ASTM D7647 >40 70 Δ 52 1 Particles >38μm ASTM D7647 >10 1 2 0 Particles >71μm ASTM D7647 >3 0 0 0	Sodium	ppm	ASTM D5185m		0	<1	<1
Particles >4μm ASTM D7647 >5000 ▲ 21039 ▲ 10018 367 Particles >6μm ASTM D7647 >1300 ▲ 6664 ▲ 2479 53 Particles >14μm ASTM D7647 >160 ▲ 414 ▲ 196 5 Particles >21μm ASTM D7647 >40 70 ▲ 52 1 Particles >38μm ASTM D7647 >10 1 2 0 Particles >71μm ASTM D7647 >3 0 0 0	Potassium	ppm	ASTM D5185m	>20	1	<1	1
Particles >6μm ASTM D7647 >1300 6664 2479 53 Particles >14μm ASTM D7647 >160 414 196 5 Particles >21μm ASTM D7647 >40 70 52 1 Particles >38μm ASTM D7647 >10 1 2 0 Particles >71μm ASTM D7647 >3 0 0 0	FLUID CLEANLI	NESS	method	limit/base	current	history1	history2
Particles >14μm ASTM D7647 >160 414 196 5 Particles >21μm ASTM D7647 >40 70 52 1 Particles >38μm ASTM D7647 >10 1 2 0 Particles >71μm ASTM D7647 >3 0 0 0	Particles >4µm		ASTM D7647	>5000	<u>^</u> 21039	<u> </u>	367
Varticles >21μm ASTM D7647 >40 70 ▲ 52 1 Varticles >38μm ASTM D7647 >10 1 2 0 Varticles >71μm ASTM D7647 >3 0 0 0	Particles >6µm		ASTM D7647	>1300	△ 6664	<u>^</u> 2479	53
Varticles >38μm ASTM D7647 >10 1 2 0 Varticles >71μm ASTM D7647 >3 0 0 0	Particles >14µm		ASTM D7647	>160	414	1 96	5
rarticles >71μm ASTM D7647 >3 0 0	Particles >21µm		ASTM D7647	>40	7 0	<u>▲</u> 52	1
	Particles >38µm		ASTM D7647	>10	1	2	0
Dil Cleanliness ISO 4406 (c) >19/17/14 ▲ 22/20/16 ▲ 21/18/15 16/13/10	Particles >71µm		ASTM D7647	>3	0	0	0
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>22/20/16</u>	<u> </u>	16/13/10



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number

Unique Number: 11063561 Test Package : IND 2 (Additional Tests: PQ)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WCI007376 Received : 06 Jun 2024 **Tested** : 07 Jun 2024 : 06201438

Diagnosed : 07 Jun 2024 - Wes Davis

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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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