

## **OIL ANALYSIS REPORT**

Sample Number

Sample Date

Machine Age

Oil Changed

Sample Status

Particles >71µm

**Oil Cleanliness** 

Acid Number (AN)

FLUID DEGRADATION

Oil Age

Area {UNASSIGNED} CIRGPB-1 (S/N 12-213)

Drum of Oil Fluid MOBIL DTE 25 (55 GAL)

#### DIAGNOSIS

### Recommendation

This is a baseline read-out on the submitted sample. ( Customer Sample Comment: Sample was from a 55 gallon unopened drum )

#### Contamination

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



ISO

Sample Rating Trend

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		0		
Chromium	ppm	ASTM D5185m		0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		0		
Lead	ppm	ASTM D5185m		0		
Copper	ppm	ASTM D5185m		0		
Tin	ppm	ASTM D5185m		0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		59		
Phosphorus	ppm	ASTM D5185m		339		
Zinc	ppm	ASTM D5185m		556		
Sulfur	ppm	ASTM D5185m		738		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		0		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304		NEG		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>320	606		
Particles >6µm		ASTM D7647	>80	<mark>)</mark> 104		
Particles >14µm		ASTM D7647	>10	7		
Particles >21µm		ASTM D7647	>3	1		
Particles >38µm		ASTM D7647	>3	0		

0

0.57

>15/13/10 - 16/14/10

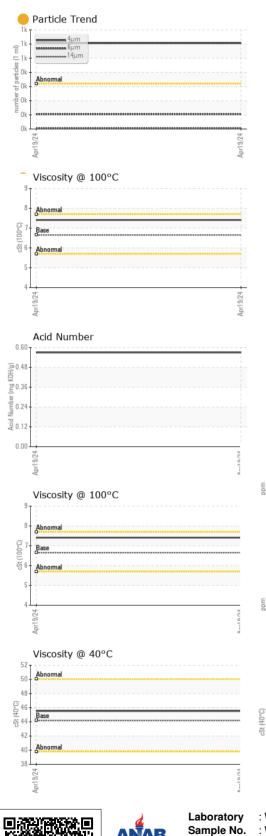
ASTM D7647 >3

ISO 4406 (c)

mg KOH/g ASTM D8045



# **OIL ANALYSIS REPORT**



	VISUAL		method	limit/base	current	history1	history2
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
	Precipitate	scalar	*Visual	NONE	NONE		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
)/24	Appearance	scalar	*Visual	NORML	NORML		
Apr19/24	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual		NEG		
	Free Water	scalar	*Visual		NEG		
	FLUID PROPERT	IES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	44.2	45.53		
	Visc @ 100°C	cSt	ASTM D445	6.65	7.41		
	Viscosity Index (VI)	Scale	ASTM D2270	98	126		
	SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Apr19/24			mourod				
4	Color					no image	no image
					A second		
	Bottom					no image	no image
	GRAPHS						
	Ferrous Alloys				Particle Count		1.22
10,000	8 iron			491,520	I		1 <sup>26</sup>
4	chromium						
				122,880	+		-24
	E 6 minimum nickel			122,880			
	E 6 4 2 4 2 4			30,720			-22
	6 4			30,720			-22
	E 6 4 2 4 2 4			30,720	- Severe		+24 +22 +20 +18
	ud 4 2 0 6 6 6 6 7 6 7 6 7 6 7 6 7 6 7 6			30,720	Severe		-22
	6 4	s		30,720	Severe		-22
	Non-ferrous Metal	S		30,720	Severe		-22
	Non-ferrous Metal	S		30,720 47/6 Ludy 480 480	Severe		-22 -20 -18 -16 -14
10.04 1	Non-ferrous Metal	S		30,720 40(6)L140 40(6)L140 480 480 120 120	Severe		-22 -20 -18 -16 -14 -14 -12
A10.7.A	Non-ferrous Metal	S		30,720 +2/6µ4 +2/6µ4 +2/6µ4 +3/6 + +3/6 + + +3/6 + + +3/6 + + + + + + + + + + + + + + + + + + +	Severe		
AA.D.A.	Non-ferrous Metal	5		30,720 +2/6µ4 +2/6µ4 +2/6µ4 +3/6 + +3/6 + + +3/6 + + +3/6 + + + + + + + + + + + + + + + + + + +	Severe		-22 -20 -18 -16 -14 -14 -12
AAD.24	Non-ferrous Metal	5		30,720 40(6)L140 40(6)L140 480 480 120 120	Severe		-22 -20 -18 -16 -14 -14 -12 -10 -8 -8
An-102A	Non-ferrous Metal	S		30,720 7,680 FZ(6)Ludy 480 1,920 480 480 480 480 480 480 480 48	Severe	14μ 21μ	-22 -20 -18 -16 -14 -12
Property and the second s	Non-ferrous Metal	S		30,720 7,680 FZ(6)Ludy 480 1,920 480 480 480 480 480 480 480 48	Severe	14μ 21μ	-22 -20 -18 -16 -14 -14 -12 -10 -8 -8 -6
	Non-ferrous Metal	5		30,720 7,680 60,000 1,000	Severe	14μ 21μ	-22 -20 -18 -16 -14 -14 -12 -10 -8 -8
PCOPT-P	Non-ferrous Metal	S		30,720 7,680 F2/6[Judy F2/6[Judy F2/6[Judy 480 1,920 480 1,920 480 30 480 480 30 480 480 30 480 480 30 480 30 480 30 480 480 30 480 480 480 480 480 480 480 48	Severe	14μ 21μ	-22 -20 -18 -16 -14 -14 -12 -10 -8 -8
WCOpree	Non-ferrous Metal	S		30,720 7,680 7,680 1,920	Severe	14μ 21μ	-22 -20 -18 -16 -14 -14 -12 -10 -8 -8
	Non-ferrous Metal	S		30,720 7,680 47/6[Juby 480 1,920 480 480 480 480 480 480 480 480 480 48	Severe	14μ 21μ	-22 -20 -18 -16 -14 -12 -10 -8 -38µ 71µ
adana a	Non-ferrous Metal	S		30,720 7,680 47/6[Juby 480 1,920 480 480 480 480 480 480 480 480 480 48	Severe	14μ 21μ	-22 -20 -18 -16 -14 -12 -10 -8 -38µ 71µ
Ato Da	Non-ferrous Metal	S		30,720 7,680 7,680 1,920	Severe	14μ 21μ	-22 -20 -18 -16 -14 -12 -10 -8 
	Non-ferrous Metal			30,720 7,680 7,680 1,920	Severe		-22 -20 -18 -16 -14 -14 -12 -10 -8 -36µ 71µ
Proprev Laboratory	Non-ferrous Metal	1 Madisc		30,720 7,680 1,920 1,920 480 30 120 30 30 120 30 30 30 30 30 30 30 30 30 30 30 30 30	Severe		-22 -20 -18 -16 -14 -14 -12 -10 -8 -36μ 71μ 
Sample No.	Non-ferrous Metal	1 Madisco Recei	ived : 24	30,720 7,680 1,920 480 480 480 480 480 480 480 48	Severe		222 20 -18 -16 -14 -14 -12 -10 -8 -38μ 71μ 
Sample No. Lab Number	Non-ferrous Metal	1 Madiso Recei Teste	ived : 24 ed : 30	30,720 7,680 1,920 480 1,920 480 1,920 480 1,920 480 480 480 480 480 480 480 48	Severe 6 Acid Number	WEST SID	222 20 18 16 14 14 22 10 8 38μ 71μ 4506 HWY S CONWAY, S
Sample No. Lab Number Unique Number	Non-ferrous Metal	1 Madisco Recei Teste Diagr	ived : 24 ed : 30 nosed : 30	30,720 7,680 1,920 480 1,920 480 1,920 480 1,920 480 480 480 480 480 480 480 48	Severe 6 Acid Number	WEST SID	222 20 18 16 14 14 12 10 8 38μ 71μ E SOLUTION 4506 HWY S

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: WESCONSC [WUSCAR] 06159969 (Generated: 04/30/2024 10:00:05) Rev: 1

Submitted By: KEN ANDRE

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