

Sample Rating Trend



Machine Id **A503** Component **Hydraulic System** Fluid **MOBIL DTE 10 EXCEL 32 (43 GAL)**

DIAGNOSIS

DIAMOND WTG

ENGINEERING & SERVICES, INC.

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 component. The amount and size of particulates present in the system is acceptable.

Fluid Condition

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

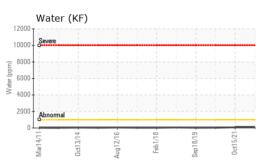
SAMPLE INFORMATION method Imit/base current History1 history2 Sample Date Client Info 05 Oct 2022 15 Oct 2020 13 Oct 2020 Machine Age hrs Client Info 0 O 0 0 Oil Ghanged Client Info 0 Not Changd Not Changd Not Changd Not Changd Sample Status Imit/base current Not Changd Not Changd Not Changd WEAR METALS method Imit/base current Not Changd Not Changd Nickel ppm ASTM 05185n -1 -1 0 Nickel ppm ASTM 05185n 0 0 0 Aluminum ppm ASTM 05185n -1 -1 -1 Innin ppm ASTM 05185n -1 -1 -1 Innin ppm ASTM 05185n -1 -1 -1 Inninum ppm ASTM 05185n -1 -1 -1 Inninum ppm A			Mar2011	Oct2014 Aug2016		Dct2021	
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Copper ppm ASTM D5185m <1	Lead				<1	<1	<1
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Oil Cleanliness ISO 4406 (c) >19/17/14 17/15/12 18/16/13 15/13/9 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm		ASTM D7647	>10	0	0	0
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	0	0	0
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/12	18/16/13	15/13/9
Acid Number (AN) mg KOH/g ASTM D8045 0.17 0.075 0.054	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.17	0.075	0.054

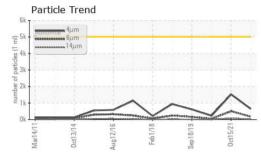
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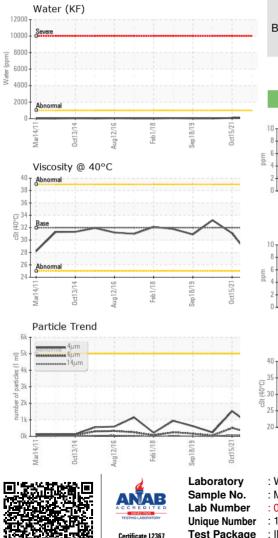
Contact/Location: DANIEL BOYD - DIADIL



OIL ANALYSIS REPORT

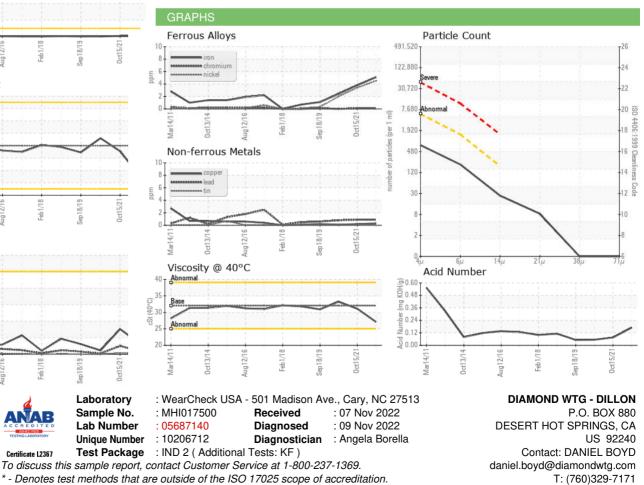






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32	27.1	31.1	33.2
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color						
Bottom						

Bottom



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: DANIEL BOYD - DIADIL

F: (760)329-7122