

OIL ANALYSIS REPORT





DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

Wear

All component wear rates are normal.

Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

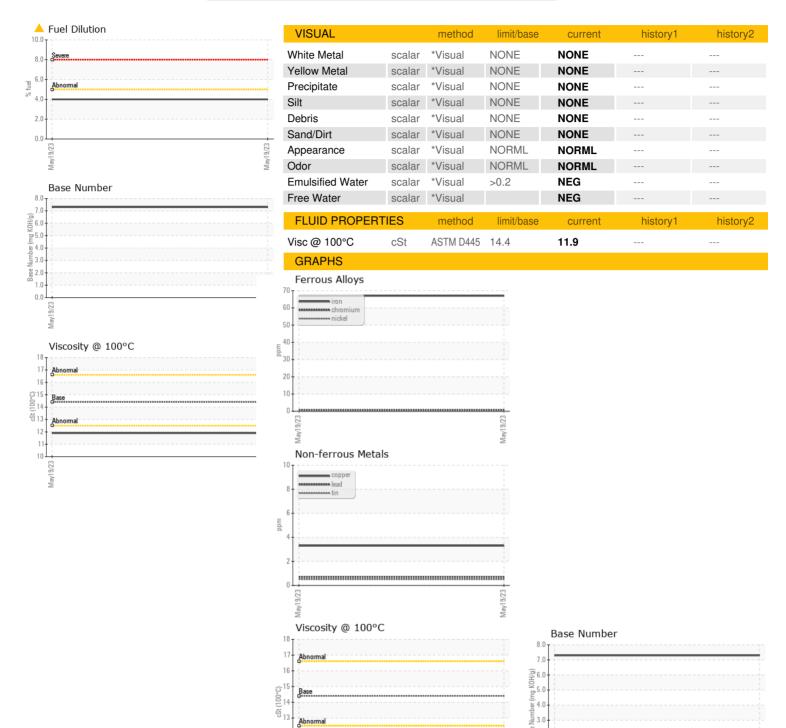
Fluid Condition

Sulfur ppm levels are abnormally high. The BN result indicates that there is suitable alkalinity remaining in the oil.

GAL)				May2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		AO0000203		
Sample Date		Client Info		19 May 2023		
Machine Age	hrs	Client Info		2935		
Oil Age	hrs	Client Info		280		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	67		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m	>2	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>25	13		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	3		
Tin	ppm	ASTM D5185m	>15	<1		
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		62		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		422		
Calcium	ppm	ASTM D5185m		1946		
Phosphorus	ppm	ASTM D5185m		1089		
Zinc	ppm	ASTM D5185m		1361		
Sulfur	ppm	ASTM D5185m		▲ 3928		
CONTAMINANTS	1	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	11		
Sodium	ppm	ASTM D5185m	>50	3		
Potassium	ppm	ASTM D5185m	>20	9		
Fuel	%	ASTM D3524	>5	4.0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.9		
Nitration	Abs/cm	*ASTM D7624	>20	12.0		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.7		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.1		
Base Number (BN)	mg KOH/g	ASTM D2896		7.3		



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Certificate L2367

Laboratory Sample No. Lab Number Unique Number

10

: 05864862 : 10499327

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : AO0000203 Diagnosed

: 05 Jun 2023 : 07 Jun 2023 Diagnostician : Wes Davis

1.0

0.0

Test Package: FLEET (Additional Tests: FuelDilution, PercentFuel) 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) **DEEP WELL SERVICES** 10218 WEST CR 148

MIDLAND, TX US 79706

Contact: ADRIAN GARCIA agarcia@deepwellservices.com

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