

## **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL

Machine Id 114 - M-TRANS AST 20

Component **New (Unused) Oil** Fluid

{not provided} (--- GAL)

## DIAGNOSIS

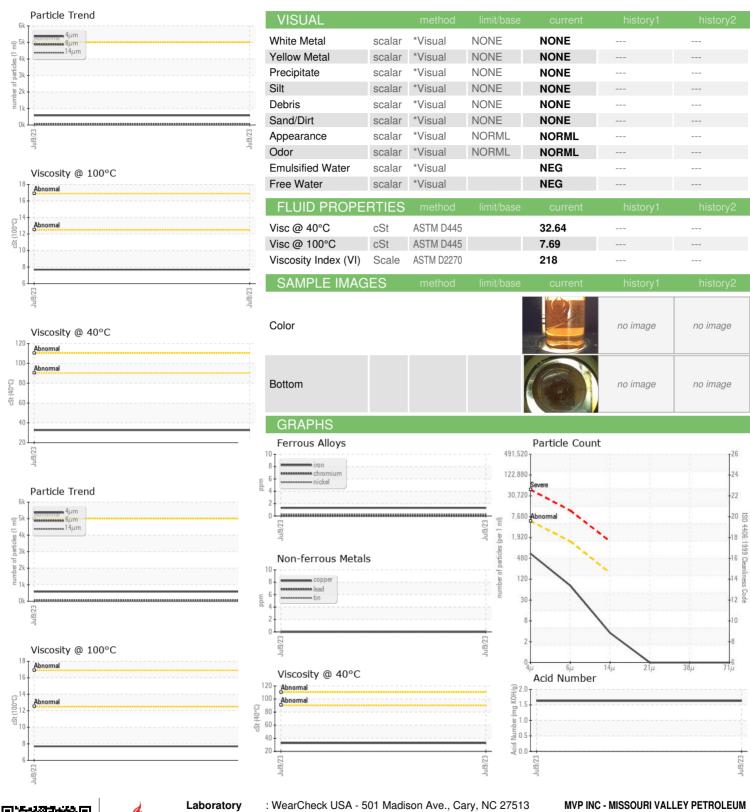
## Recommendation

This is a baseline read-out on the submitted sample.

				Jul2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
	IVIATION		IIIIII/Dase		•	· ·
Sample Number		Client Info		PCA0099964		
Sample Date		Client Info		09 Jul 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		1		
Chromium	ppm	ASTM D5185m		0		
Nickel	ppm	ASTM D5185m		<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
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		<1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		12		
Calcium	ppm	ASTM D5185m		3145		
Phosphorus	ppm	ASTM D5185m		996		
Zinc	ppm	ASTM D5185m		1172		
Sulfur	ppm	ASTM D5185m		4248		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		5		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	1		
FLUID CLEAN	LINESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	579		
Particles >6µm		ASTM D7647	>1300	69		
Particles >14µm		ASTM D7647	>160	3		
Particles >21μm		ASTM D7647	>40	0		
Particles >38μm		ASTM D7647	>10	0		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/13/9		
FLUID DEGRA	DATIO <u>N</u>	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.63		
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## **OIL ANALYSIS REPORT**





Sample No. Lab Number **Unique Number** 

: PCA0099964 : 05894136

: 10549946

Received : 10 Jul 2023 Diagnosed

: 12 Jul 2023 Diagnostician : Jonathan Hester

1722 MANDAN AVE MANDAN, ND US 58554

Test Package : MOB 2 ( Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, VI ) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: RIC ABERLE RICHARD.ABERLE@PARKLANDUSA.COM T: (701)663-5091

Contact/Location: RIC ABERLE - MVPMAN

\* - 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: (701)663-9445