

## **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL

## 024 - M-TRANS AST 20

Component New (Unused) Oil Fluid {not provided} (--- GAL)

## DIAGNOSIS

Recommendation

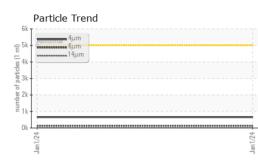
This is a baseline read-out on the submitted sample.

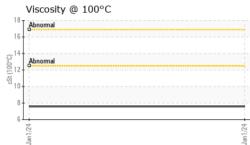
		-		Jan2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0108257		
Sample Date		Client Info		01 Jan 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method		NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m		2		
Chromium	ppm	ASTM D5185m		<1		
Nickel	ppm	ASTM D5185m		0		
Fitanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		1		
_ead	ppm	ASTM D5185m		0		
Copper	ppm	ASTM D5185m		0		
Fin	ppm	ASTM D5185m		0		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
	ppm		1	-		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Volybdenum	ppm	ASTM D5185m		0		
Vanganese	ppm	ASTM D5185m		0		
Vagnesium	ppm	ASTM D5185m		10		
Calcium	ppm	ASTM D5185m		3054		
Phosphorus	ppm	ASTM D5185m		998		
Zinc	ppm	ASTM D5185m		1239		
Sulfur	ppm	ASTM D5185m		4485		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		4		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID CLEAN	LINESS	method	limit/base	current	history1	history2
⊃articles >4µm		ASTM D7647	>5000	656		
Particles >6µm		ASTM D7647	>1300	132		
Particles >14µm		ASTM D7647	>160	10		
Particles >21µm		ASTM D7647	>40	2		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	0		
Dil Cleanliness		ISO 4406 (c)	>19/17/14	17/14/10		
FLUID DEGRA	DAT <u>IO</u> N	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.65		
14·28) Bev: 1	5 - 3				ation: BIC ABE	

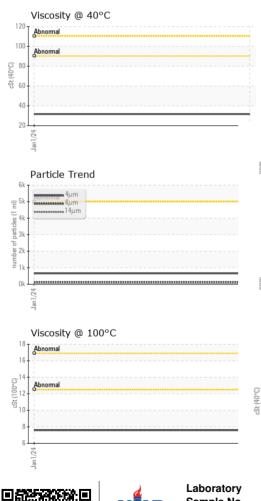
Contact/Location: RIC ABERLE - MVPMAN



## **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		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual		NEG		
	Free Water	scalar	*Visual		NEG		
	FLUID PROPE	RTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445		31.67		
	Visc @ 100°C	cSt	ASTM D445		7.58		
	Viscosity Index (VI)	Scale	ASTM D2270		221		
				limit/booo		biotom	history
		2ES	method	limit/base	current	history1	history2
	Color				•	no image	no image
	Bottom					no image	no image
	GRAPHS						
	Ferrous Alloys				Particle Count		
	10 8			491,520	]		T <sup>21</sup>
	sessesses chromium			122,880	-		-2
	E 6 4			30,720	Severe		-2
	2 -						
	5 54			7,680 2 E	Abnormal		-11
	Jan 1/24			Jan 1/24 (per 1 ml	·	<b>N</b>	-1
	Non-ferrous Meta	le		응 480			1
	10 <sub>1</sub>			of bar		<ul> <li>Image: A second s</li></ul>	
	8 - copper			42/1ml 1/200			1
	E 6			E 30			-1
	2						-1
				0		1	
	Jan 1/24			Jan 1/24			-8
	a C			۳ ر		14	28
	Viscosity @ 40°C				وہو Acid Number	14μ 21μ	38µ 71µ́
	120 Abnormal			 ₽2.0			
	100 Abnormal			9 1.5	-		
	(20 60			ja 1.0			
	40-			(0)102 1.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0			
	20				4		
	an 1/2 <sup>,</sup>			an 1/2 <sup>,</sup>	an 1/2.		
Laboratory Sample No. Lab Number Unique Number Test Packag	: WearCheck USA - 5 : PCA0108257 : 06048486 er : 10809094	Recieved Diagnose Diagnost	t : 29 l ed : 03 c ician : Jon	ry, NC 27513 Dec 2023 Jan 2024 athan Hester			EY PETROLE MANDAN A MANDAN, I US 585 t: RIC ABER

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

F: (701)663-9445