

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

MCI 1903

Component
Diesel Engine

PURUS SYNTHETIC BLEND 10W30 (--- GA

DIAGNOSIS

Recommendation

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal.

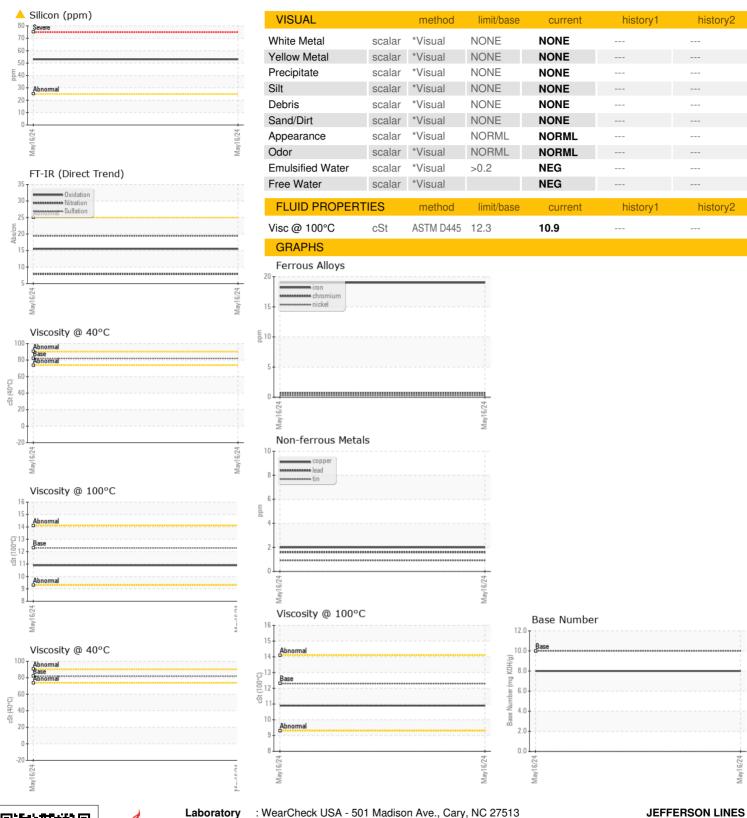
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Water Glycol WC Method WEAR METALS Iron Oppm ASTM D5185m Nickel Dppm ASTM D5185m Nickel Dppm ASTM D5185m Silver Aluminum Dppm ASTM D5185m Noppm ASTM D5185m Silver Aluminum Dppm ASTM D5185m Noppm ASTM D5185m Nop	May2024		
Sample Number Sample Date Machine Age Oil Age Oil Age Oil Changed Sample Status CONTAMINATION Fuel WC Method Water Glycol WC Method WEAR METALS Titanium Silver Aluminum Lead Doppm ASTM D5185m ADDITIVES Boron Barium Molybdenum Magnesium CAIM Dpm ASTM D5185m Magnesium Phosphorus Phosphorus Potassium Potass			
Sample Date Machine Age Machine Age Mis Client Info Contable Info Client Info Contable Info Contable Info Contable Info Client Info Client Info Contable Info Client Info Contable Info	limit/base cu	rrent history1	history2
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Fitanium ppm ASTM D5185m ppm A	·20 <1		
Silver ppm ASTM D5185m > ASTM	·4 <1		
Aluminum ppm ASTM D5185m > ppm ASTM D5185m	0		
Dept	·3 0		
Copper ppm ASTM D5185m > Fin ppm ASTM D5185m > Vanadium ppm ASTM D5185m > Vanadium ppm ASTM D5185m > Cadmium ppm ASTM D5185m Matter D5185m ADDITIVES method Matter D5185m Matter D5185m Barium ppm ASTM D5185m Matter D5185m Molybdenum ppm ASTM D5185m Matter D5185m Magnesium ppm ASTM D5185m Phosphorus Phosphorus ppm ASTM D5185m Phosphorus Phosphorus ppm ASTM D5185m Phosphorus Potalifur ppm ASTM D5185m Phosphorus CONTAMINANTS method Matter D5185m Phosphorus Solicon ppm ASTM D5185m Phosphorus Potassium ppm ASTM D5185m Phosphorus Potassium ppm ASTM D5185m Phosphorus Potassium ppm ASTM D5185m	·20 2		
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Potassium ppm ASTM D5185m > INFRA-RED method Soot % % *ASTM D7844 > Vitration Abs/cm *ASTM D7624 >	·25 ^ 53		
INFRA-RED method Soot % % *ASTM D7844 > Vitration Abs/cm *ASTM D7624 >	2		
Soot % % *ASTM D7844 > Nitration Abs/cm *ASTM D7624 >	·20 3		
Abs/cm *ASTM D7624 >	limit/base cu	rrent history1	history2
	3 0.2		
Sulfation Abs/.1mm *ASTM D7415 >	·20 7.9		
	-30 19. 4		
FLUID DEGRADATION method	limit/base cu	rrent history1	history2
Oxidation Abs/.1mm *ASTM D7414 >	-25 15. 5		
Base Number (BN) mg KOH/g ASTM D2896 1			



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

: WC0859098 Lab Number : 06208306

Received **Tested** Unique Number : 11075767 Diagnosed

: 12 Jun 2024 : 14 Jun 2024 : 14 Jun 2024 - Don Baldridge Test Package : FLEET (Additional Tests: KV40)

US 59101 Contact: BILLINGS SHOP billingsshop@jeffersonlines.com

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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

Contact/Location: BILLINGS SHOP? - JEFBIL

T:

F:

1830 4TH AVE N

BILLINGS, MT