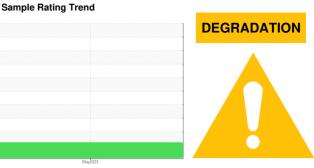


# **OIL ANALYSIS REPORT**





## **DIAGNOSIS**

### Recommendation

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

There is no indication of any contamination in the oil.

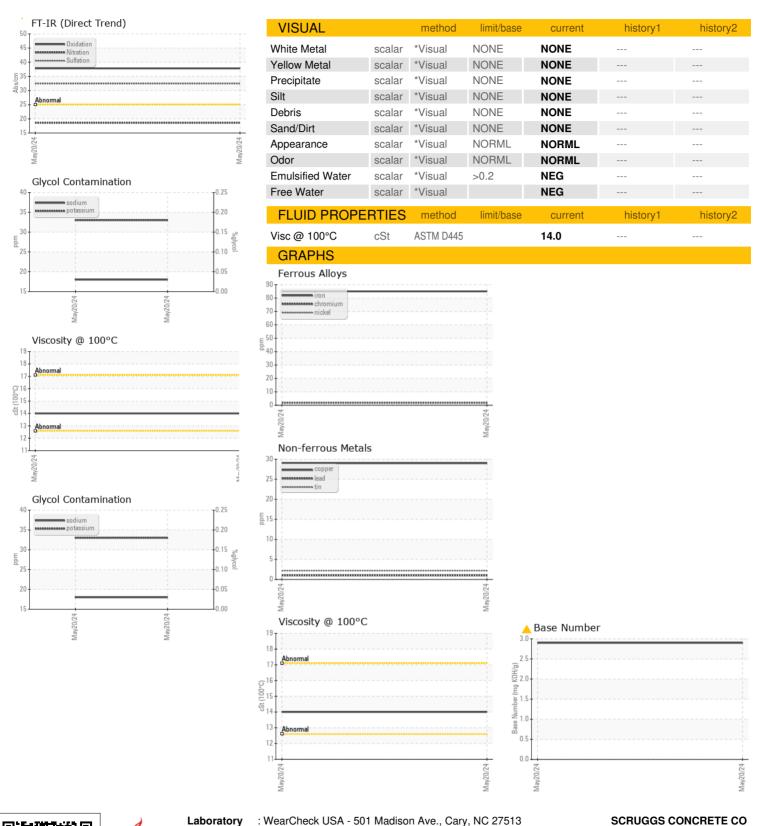
## Fluid Condition

The BN level is low. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION method   Imit/base   current   history1   history2   Sample Number   Client Info   PCA0124979	0 ( GAL)				May2024		
Comparison	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Comparison	Sample Number		Client Info		PCA0124979		
Machine Age			Client Info		20 May 2024		
Dit Age		hrs	Client Info		-		
ABNORMAL		hrs	Client Info		8136		
CONTAMINATION	Oil Changed		Client Info		Changed		
WC Method   Sa. 0	Sample Status				ABNORMAL		
WEAR METALS         method         limit/base         current         history1         history2           ron         ppm         ASTM D5185m         >120         85             chromium         ppm         ASTM D5185m         >20         2             chickel         ppm         ASTM D5185m         >2         29             Siliver         ppm         ASTM D5185m         >2         1             Aluminum         ppm         ASTM D5185m         >2         1             Aluminum         ppm         ASTM D5185m         >2         1             Lead         ppm         ASTM D5185m         >20         1             Lead         ppm         ASTM D5185m         >330         29             Janadium         ppm         ASTM D5185m         15         2             Cadmium         ppm         ASTM D5185m         0             Barium         ppm         ASTM D5185m         59 <t< td=""><td>CONTAMINATIO</td><td>N</td><td>method</td><td>limit/base</td><td>current</td><td>history1</td><td>history2</td></t<>	CONTAMINATIO	N	method	limit/base	current	history1	history2
WEAR METALS         method         limit/base         current         history1         history2           ron         ppm         ASTM D5185m         >120         85             chickel         ppm         ASTM D5185m         >20         2             chickel         ppm         ASTM D5185m         >2         29             chickel         ppm         ASTM D5185m         >2         1             Silver         ppm         ASTM D5185m         >2         1             Aluminum         ppm         ASTM D5185m         >2         1             Aluminum         ppm         ASTM D5185m         >20         12             Lead         ppm         ASTM D5185m         >30         29             Calcinum         ppm         ASTM D5185m         >15         2             Calcinum         ppm         ASTM D5185m         0             Barrium         ppm         ASTM D5185m         59	- uel		WC Method	>3.0	<1.0		
Post	Water		WC Method	>0.2	NEG		
Description	WEAR METALS		method	limit/base	current	history1	history2
Description	ron	nnm	ASTM D5185m	>120	85		
ASTM D5185m   >5   2	-						
ASTM D5185m   >2   29					_		
ASTM D5185m   Ppm   Ppm   ASTM D5185m   Ppm   Ppm   ASTM D5185m   Ppm   Ppm   Ppm							
ASTM D5185m   >20   12					_		
December   December			ASTM D5185m	>20	12		
Description				>40	1		
Tin			ASTM D5185m	>330	29		
Academium				>15	2		
ADDITIVES			ASTM D5185m		<1		
Soron   ppm   ASTM D5185m   22			ASTM D5185m		0		
Description	ADDITIVES		method	limit/base	current	history1	history2
Sarium	Boron	ppm	ASTM D5185m		22		
Manganese         ppm         ASTM D5185m         2             Magnesium         ppm         ASTM D5185m         688             Calcium         ppm         ASTM D5185m         1428             Phosphorus         ppm         ASTM D5185m         1297             Zinc         ppm         ASTM D5185m         2935             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         25         15             Codassium         ppm         ASTM D5185m         20         33             Glycol         %         *ASTM D5185m         >20         33             Silycol         %         *ASTM D5185m         >20         33             Silycol         %         *ASTM D5185m         NEG             Silycol         %         *ASTM D5185m         20         33             Silycol			ASTM D5185m		0		
Manganese         ppm         ASTM D5185m         2             Magnesium         ppm         ASTM D5185m         688             Calcium         ppm         ASTM D5185m         1428             Phosphorus         ppm         ASTM D5185m         1141             Zinc         ppm         ASTM D5185m         1297             Sulfur         ppm         ASTM D5185m         2935             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         15             Codassium         ppm         ASTM D5185m         >20         33             Glycol         %         *ASTM D5185m         >20         33             Glycol         %         *ASTM D5185m         >20         33             Bilycol         %         *ASTM D5185m         NEG             Bilycol         %	Nolybdenum	ppm	ASTM D5185m		59		
Magnesium         ppm         ASTM D5185m         688             Calcium         ppm         ASTM D5185m         1428             Phosphorus         ppm         ASTM D5185m         1297             Zinc         ppm         ASTM D5185m         2935             Sulfur         ppm         ASTM D5185m         2935             CONTAMINANTS         method         limit/base         current         history1         history2           Scilicon         ppm         ASTM D5185m         >25         15             Scodium         ppm         ASTM D5185m         >20         33             Glycol         %         *ASTM D5185m         >4         0.8			ASTM D5185m		2		
Phosphorus         ppm         ASTM D5185m         1141             Bulfur         ppm         ASTM D5185m         1297             CONTAMINANTS         method         limit/base         current         history1         history2           Soliicon         ppm         ASTM D5185m         >25         15             Sodium         ppm         ASTM D5185m         >20         33             Blycol         %         *ASTM D5185m         >20         33             Blycol         %         *ASTM D2982         NEG             INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >4         0.8             Soot %         %         *ASTM D7844         >4         0.8             Sulfation         Abs/.1mm         *ASTM D7415         >30         32.4             FLUID DEGRADATION         method         limit/base         current         history1         <			ASTM D5185m		688		
Time	Calcium	ppm	ASTM D5185m		1428		
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         15             Sodium         ppm         ASTM D5185m         18             Potassium         ppm         ASTM D5185m         >20         33             Glycol         %         *ASTM D2982         NEG             INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >4         0.8             Nitration         Abs/cm         *ASTM D7624         >20         18.6             Sulfation         Abs/.1mm         *ASTM D7415         >30         32.4             FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         37.8	Phosphorus	ppm	ASTM D5185m		1141		
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         15             Bodium         ppm         ASTM D5185m         18             Potassium         ppm         ASTM D5185m         >20         33             Blycol         %         *ASTM D2982         NEG             INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >4         0.8             Nitration         Abs/cm         *ASTM D7624         >20         18.6             Sulfation         Abs/.1mm         *ASTM D7415         >30         32.4             FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         37.8	Zinc	ppm	ASTM D5185m		1297		
Solition   ppm   ASTM D5185m   >25   15	Sulfur	ppm	ASTM D5185m		2935		
Sodium	CONTAMINANT	S	method	limit/base	current	history1	history2
Potassium         ppm         ASTM D5185m         >20         33             Silycol         %         *ASTM D2982         NEG             INFRA-RED         method         limit/base         current         history1         history2           Soot %         %         *ASTM D7844         >4         0.8             Vitration         Abs/cm         *ASTM D7624         >20         18.6             Sulfation         Abs/.1mm         *ASTM D7415         >30         32.4             FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         37.8	Silicon	ppm	ASTM D5185m	>25	15		
NEG       NEG     NEG   NEG   NEG   NEG   NEG   NEG   NEG   NEG   NEG   NEG   NEG   NEG   NEG   NEG   NEG   NEG   NEG   Neg	Sodium	ppm	ASTM D5185m		18		
INFRA-RED	Potassium	ppm	ASTM D5185m	>20	33		
Goot %         %         *ASTM D7844         >4         0.8             Nitration         Abs/cm         *ASTM D7624         >20         18.6             Gulfation         Abs/.1mm         *ASTM D7415         >30         32.4             FLUID DEGRADATION         method         limit/base         current         history1         history2           Oxidation         Abs/.1mm         *ASTM D7414         >25         37.8	Glycol	%	*ASTM D2982		NEG		
Nitration         Abs/cm         *ASTM D7624         >20         18.6             Sulfation         Abs/.1mm         *ASTM D7415         >30         32.4             FLUID DEGRADATION         method         limit/base         current         history1         history2           Dxidation         Abs/.1mm         *ASTM D7414         >25         37.8	INFRA-RED		method	limit/base	current	history1	history2
Sulfation         Abs/.1mm         *ASTM D7415         >30         32.4             FLUID DEGRADATION         method         limit/base         current         history1         history2           Dxidation         Abs/.1mm         *ASTM D7414         >25         37.8	Soot %	%	*ASTM D7844	>4	8.0		
FLUID DEGRADATION method limit/base current history1 history2  Dxidation Abs/.1mm *ASTM D7414 >25 37.8	Nitration	Abs/cm	*ASTM D7624	>20	18.6		
Oxidation	Sulfation	Abs/.1mm	*ASTM D7415	>30	32.4		
	FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Base Number (BN) mg KOH/g ASTM D2896	Oxidation	Abs/.1mm	*ASTM D7414	>25	37.8		
	Base Number (BN)	mg KOH/g	ASTM D2896		<b>2.9</b>		



# **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Lab Number : 06202271

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0124979 Unique Number : 11069732

Received **Tested** Diagnosed

: 06 Jun 2024 : 11 Jun 2024 : 11 Jun 2024 - Jonathan Hester

807 RIVER ST VALDOSTA, GA US 31601 Contact: D ALTMAN

Test Package : FLEET ( Additional Tests: Glycol )

DALTMAN@SCRUGGSCONCRETE.COM T:

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)

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