

OIL ANALYSIS REPORT

Sample Rating Trend







2105 Component Transmission (Auto) Fluid DEXRON III (--- GAL)

DIAGNOSIS

Machine Id

Recommendation

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 fluid.

Fluid Condition

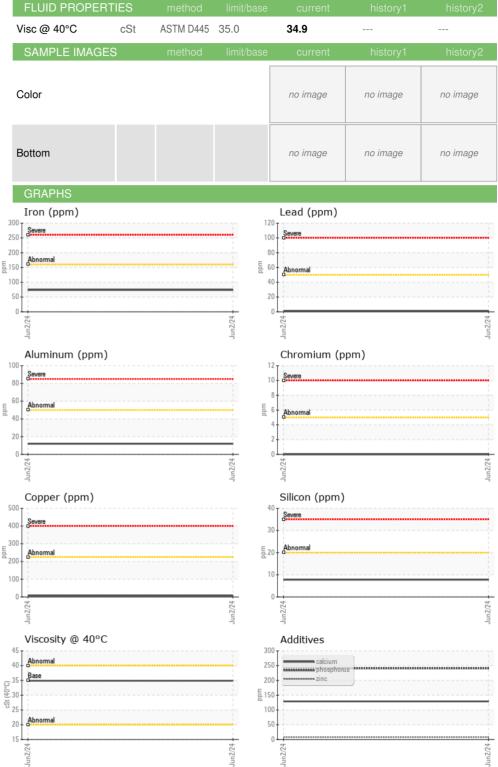
The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION					Jun2024		
Sample Number Client Info WC0946475 Cample Date Client Info O2 Jun 2024 Campate Client Info O2 Jun 2024 Campate Client Info O3 Campate Cam	044015 04500						
Client Info O2 Jun 2024 Client Info O Client Info Client Inf	SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Machine Age mls Client Info 0 Oil Age mls Client Info 0 Oil Changed Client Info N/A Sample Status Immitted NoRMAL CONTAMINATION method Imitubase current history1 history2 Water WC Method >0.1 NEG WEAR METALS method Imitubase current history1 history2 Iron ppm ASTM D5185m >5 0 Chromium ppm ASTM D5185m >5 0 Titrainium ppm ASTM D5185m >5 0 Silver ppm ASTM D5185m >50 12 Copper ppm ASTM D5185m >50 12 Cadadium ppm ASTM D5185m <th>Sample Number</th> <th></th> <th>Client Info</th> <th></th> <th>WC0946475</th> <th></th> <th></th>	Sample Number		Client Info		WC0946475		
Oil Age mls Client Info N/A Coll Changed Client Info N/A Sample Status Norman Norman CONTAMINATION method limit/base current history1 history2 Water WC Method >0.1 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM 05185m >5 0 Chromium ppm ASTM 05185m >5 0 Silver ppm ASTM 05185m >5 0 Aluminum ppm ASTM 05185m >50 12 Lead ppm ASTM 05185m >50 <1	Sample Date		Client Info		02 Jun 2024		
Oil Changed Sample Status Client Info N/A	Machine Age	mls	Client Info		0		
Sample Status	•	mls	Client Info		0		
CONTAMINATION method limit/base current history1 history2 Water WC Method >0.1 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >5 0 Chromium ppm ASTM D5185m >5 0 Nickel ppm ASTM D5185m >5 0 Silver ppm ASTM D5185m >50 12 Aluminum ppm ASTM D5185m >50 12 Aluminum ppm ASTM D5185m >50 12 Aluminum ppm ASTM D5185m >20 -1 Copper ppm ASTM D5185m >10 <1	Oil Changed		Client Info		N/A		
Water WC Method >0.1 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM DS185m >160 74 Chromium ppm ASTM DS185m >5 0 Nickel ppm ASTM DS185m >5 0 Titanium ppm ASTM DS185m >5 0 Aluminum ppm ASTM DS185m >50 12 Aluminum ppm ASTM DS185m >50 12 Lead ppm ASTM DS185m >50 1 Copper ppm ASTM DS185m >10 <1	Sample Status				NORMAL		
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >160 74 Chromium ppm ASTM D5185m 5 0 Nickel ppm ASTM D5185m >5 0 Titanium ppm ASTM D5185m >5 0 Aluminum ppm ASTM D5185m >5 0 Aluminum ppm ASTM D5185m >50 12 Lead ppm ASTM D5185m >50 <1 Copper ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m 0 <1 Cadmium ppm ASTM D5185m 0 Barium ppm ASTM D5185m <1	CONTAMINATION	J	method	limit/base	current	history1	history2
Iron	Water		WC Method	>0.1	NEG		
Chromium ppm ASTM D5185m >5 0 Nickel ppm ASTM D5185m >5 0 Titanium ppm ASTM D5185m >5 0 Silver ppm ASTM D5185m >50 12 Aluminum ppm ASTM D5185m >50 12 Lead ppm ASTM D5185m >50 <1 Copper ppm ASTM D5185m >50 <1 Vanadium ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m >10 <1 Vandium ppm ASTM D5185m >1 Cadmium ppm ASTM D5185m 0 Barium ppm ASTM D5185m <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m >5 0 Titanium ppm ASTM D5185m >5 0 Silver ppm ASTM D5185m >5 0 Aluminum ppm ASTM D5185m >50 12 Lead ppm ASTM D5185m >50 -1 Copper ppm ASTM D5185m >50 -1 Vanadium ppm ASTM D5185m >10 -1 Vanadium ppm ASTM D5185m -1 Vanadium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 71 Molybdenum ppm ASTM D5185m -1	Iron	ppm	ASTM D5185m	>160	74		
Titanium	Chromium	ppm	ASTM D5185m	>5	0		
Silver	Nickel	ppm	ASTM D5185m	>5	0		
Aluminum ppm ASTM D5185m >50 12 Lead ppm ASTM D5185m >50 <1 Copper ppm ASTM D5185m >22.5 6 Tin ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m <1 Cadmium ppm ASTM D5185m <1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 4 Magnesium ppm ASTM D5185m 129 Phosphoru	Titanium	ppm	ASTM D5185m		0		
Lead	Silver	ppm	ASTM D5185m	>5	0		
Copper ppm ASTM D5185m >2255 6 Tin ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m <1 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 <1 Manganese ppm ASTM D5185m 4 Manganese ppm ASTM D5185m 129 Calcium ppm ASTM D5185m 241 Calcium ppm ASTM D5185m 2895	Aluminum	ppm	ASTM D5185m	>50	12		
Tin	Lead	ppm	ASTM D5185m	>50	<1		
Vanadium ppm ASTM D5185m <1	Copper	ppm	ASTM D5185m	>225	6		
Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 71 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m <1	Tin	ppm	ASTM D5185m	>10	<1		
ADDITIVES	Vanadium	ppm	ASTM D5185m		<1		
Boron	Cadmium	ppm	ASTM D5185m		0		
Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m <1 Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 4 Calcium ppm ASTM D5185m 241 Phosphorus ppm ASTM D5185m 2895 Zinc ppm ASTM D5185m 2895 Sulfur ppm ASTM D5185m >20 8 Sulicon ppm ASTM D5185m >20 8 Sodium ppm ASTM D5185m >20 8 Potassium ppm ASTM D5185m >20 8 VISUAL method limit/base current history1 history2 White Metal scalar	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m <1	Boron	ppm	ASTM D5185m		71		
Manganese ppm ASTM D5185m <1	Barium	ppm	ASTM D5185m		0		
Magnesium ppm ASTM D5185m 4 Calcium ppm ASTM D5185m 129 Phosphorus ppm ASTM D5185m 241 Zinc ppm ASTM D5185m 8 Sulfur ppm ASTM D5185m 2895 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 8 Sodium ppm ASTM D5185m >20 1 Potassium ppm ASTM D5185m >20 1 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE	Molybdenum	ppm	ASTM D5185m		<1		
Calcium ppm ASTM D5185m 129 Phosphorus ppm ASTM D5185m 241 Zinc ppm ASTM D5185m 8 Sulfur ppm ASTM D5185m 2895 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 20 8 Sodium ppm ASTM D5185m 20 1 Potassium ppm ASTM D5185m 20 1 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE	Manganese	ppm	ASTM D5185m		<1		
Phosphorus ppm ASTM D5185m 241 Zinc ppm ASTM D5185m 8 Sulfur ppm ASTM D5185m 2895 CONTAMINANTS method limit/base current history1 history2 Sodium ppm ASTM D5185m >20 8 Sodium ppm ASTM D5185m >20 1 Potassium ppm ASTM D5185m >20 1 VISUAL method limit/base current history1 history2 VISUAL NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE	Magnesium	ppm	ASTM D5185m		4		
Zinc ppm ASTM D5185m 8 Sulfur ppm ASTM D5185m 2895 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 8 Sodium ppm ASTM D5185m 20 1 Sodium ppm ASTM D5185m >20 1 Potassium ppm ASTM D5185m >20 1 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE	Calcium	ppm	ASTM D5185m		129		
Sulfur ppm ASTM D5185m 2895 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 8 Sodium ppm ASTM D5185m >20 1 Potassium ppm ASTM D5185m >20 1 VISUAL method limit/base current history1 history2 White Metal scalar *Visual 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 NORML NORML<	Phosphorus	ppm	ASTM D5185m		241		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 8 Sodium ppm ASTM D5185m 20 1 Potassium ppm ASTM D5185m >20 1 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 NORML NORML Appearance scalar *Visua	Zinc	ppm	ASTM D5185m		8		
Silicon ppm ASTM D5185m >20 8 Sodium ppm ASTM D5185m 4 Potassium ppm ASTM D5185m >20 1 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 NORML NORML Appearance scalar *Visual NORML NORML Codor scalar *Vis	Sulfur	ppm	ASTM D5185m		2895		
Sodium ppm ASTM D5185m 4 Potassium ppm ASTM D5185m >20 1 VISUAL method limit/base current history1 history2 White Metal scalar *Visual 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 NORML NORML Appearance scalar *Visual NORML NORML Odor scalar *Visual >0.1 NEG Emulsified Water scalar *Visual >0.1	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 1 VISUAL method limit/base current history1 history2 White Metal scalar *Visual 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 NORML NORML Appearance scalar *Visual NORML NORML Odor scalar *Visual >0.1 NEG Emulsified Water scalar *Visual >0.1 NEG	Silicon	ppm	ASTM D5185m	>20	8		
VISUAL method limit/base current history1 history2 White Metal scalar *Visual 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 NORML NORML Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	Sodium	ppm	ASTM D5185m		4		
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 NORML NORML Appearance scalar *Visual NORML NORML Odor scalar *Visual >0.1 NEG Emulsified Water scalar *Visual >0.1 NEG	Potassium	ppm	ASTM D5185m	>20	1		
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 >0.1 NEG	VISUAL		method	limit/base	current	history1	history2
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 >0.1 NEG	White Metal	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 >0.1 NEG	Yellow Metal	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 >0.1 NEG	Precipitate	scalar	*Visual	NONE	NONE		
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	Silt	scalar	*Visual	NONE	NONE		
Appearance scalar *Visual NORML NORML COdor scalar *Visual NORML NORML NORML CODOR NORML CODOR NORML CODOR NORML CODOR NORML CODOR NORML NORML CODOR NORML	Debris	scalar	*Visual	NONE	NONE		
Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water scalar *Visual >0.1 NEG	Appearance	scalar	*Visual	NORML	NORML		
	• •	scalar	*Visual	NORML	NORML		
Free Water scalar *Visual NEG	Emulsified Water	scalar	*Visual	>0.1	NEG		
	Free Water	scalar	*Visual		NEG		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06208298

: WC0946475 Unique Number : 11075759 Test Package : MOB 1

Received : 12 Jun 2024 Tested : 14 Jun 2024

Diagnosed

: 14 Jun 2024 - Don Baldridge

Contact: Robert Iosiniecki Robert.losiniecki@ratpdev.com T:

GO DURHAM - RAPT

DURHAM, NC

US 27701

F:

1903 FAYETTEVILLE ST

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)

Report Id: GODDUR [WUSCAR] 06208298 (Generated: 06/14/2024 19:05:04) Rev: 1

Contact/Location: Robert Iosiniecki - GODDUR