

Limit/Abn Current

Historv1

History₂

Machine Id **MACK 1702**

Rear Differential

CHEVRON DELO SYNTHETIC GEAR 75W90 (--- QTS)

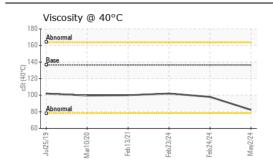
RECOMMENDATION	Test	UOM	Method
Resample at the next service interval to monitor.	Sample Number		Client Inf
	Sample Date		Client Inf
	Machine Age	mls	Client Inf
	Oil Age	mls	Client Inf
	Filter Age	mls	Client Inf
	Oil Changed		Client Inf
	Filter Changed		Client Inf
	Sample Status		
WEAR	Iron	ppm	ASTM D5185
All component wear rates are normal.	Chromium	ppm	ASTM D5185
	Nickel	ppm	ASTM D5185
	Titanium	ppm	ASTM D5185
	Silver	ppm	ASTM D5185
	Aluminum	ppm	ASTM D5185
	Lead	ppm	ASTM D5185
	Copper	ppm	ASTM D5185
	Tin	ppm	ASTM D5185
	Vanadium	ppm	ASTM D5185
	White Metal	scalar	*Visual
	Yellow Metal	scalar	*Visual
CONTAMINATION	Silicon	ppm	ASTM D5185
	Potassium	ppm	ASTM D5185
There is no indication of any contamination in the oil.	Water		WC Metho
	Silt	scalar	*Visual
	Debris	scalar	*Visual
	Sand/Dirt	scalar	*Visual
	Appearance	scalar	*Visual
	Odor	scalar	*Visual
	Emulsified Water	scalar	*Visual
FLUID CONDITION	Sodium	ppm	ASTM D5185
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185
	Barium	ppm	ASTM D5185
	Molybdenum	ppm	ASTM D5185
	Manganese	ppm	ASTM D5185
	Magnesium	ppm	ASTM D5185
	Calcium	ppm	ASTM D5185
	Phosphorus	ppm	ASTM D5185

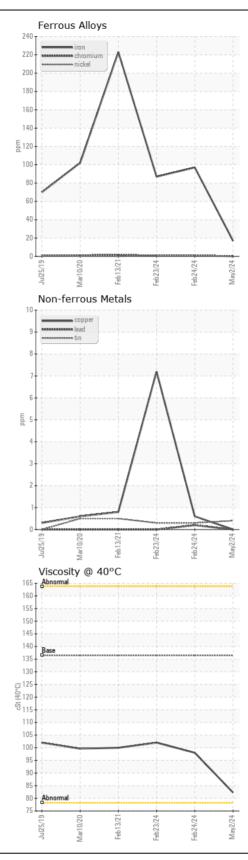
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0924588	WC0905176	WC0905175
Sample Date		Client Info		02 May 2024	24 Feb 2024 23 Feb 202	
Machine Age	mls	Client Info		255242	247394	9630
Oil Age	mls	Client Info		0	0 0	
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>1200	17	97	87
Chromium	ppm	ASTM D5185m	>8	<1	<1	<1
Nickel	ppm	ASTM D5185m	>20	0	<1	<1
Titanium	ppm	ASTM D5185m	>4	1	4	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	0	3	5
Lead	ppm	ASTM D5185m	>25	0	<1	0
Copper	ppm	ASTM D5185m	>50	0	<1	7
Tin	ppm	ASTM D5185m	>5	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Ciliaan				4		10
Silicon	ppm	ASTM D5185m	>230	-	14	16
Potassium Water	ppm	ASTM D5185m WC Method	>20 >.2	<1	1 NEG	NEG
Silt	scalar	*Visual	NONE	NEG LIGHT	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual		NONE	NONE	NONL
Appearance	Jouran		NONE	NONE	NONE	NONE
rippeurunee	scalar		NONE		NONE	NONE
Odor	scalar scalar	*Visual	NORML	NORML	NORML	NORML
Odor Emulsified Water	scalar	*Visual *Visual	NORML NORML	NORML NORML	NORML NORML	NORML NORML
Odor Emulsified Water		*Visual	NORML	NORML	NORML	NORML
	scalar	*Visual *Visual *Visual ASTM D5185m	NORML NORML >.2	NORML NORML	NORML NORML	NORML NORML
Emulsified Water	scalar scalar	*Visual *Visual *Visual ASTM D5185m ASTM D5185m	NORML NORML >.2 203	NORML NORML NEG	NORML NORML NEG	NORML NORML
Emulsified Water Sodium Boron Barium	scalar scalar ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >.2 203 109	NORML NORML NEG <1 34 1	NORML NORML NEG 1 197 0	NORML NORML NEG 1 195 0
Emulsified Water Sodium Boron	scalar scalar ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >.2 203	NORML NORML NEG <1 34 1 0	NORML NORML NEG 1 197 0 <1	NORML NORML NEG 1 195 0 <1
Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >.2 203 109 0.4	NORML NORML NEG <1 34 1 0 <1	NORML NORML NEG 1 197 0 <1 2	NORML NEG 1 195 0 <1 2
Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >.2 203 109 0.4	NORML NORML NEG <1 34 1 0 <1 <1	NORML NORML NEG 1 197 0 <1 2 3	NORML NORML NEG 1 195 0 <1 2 2
Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >.2 203 109 0.4 0 33	NORML NORML NEG <1 34 1 0 <1 <1 <1 11	NORML NORML NEG 1 197 0 <1 2 3 3 0	NORML NORML NEG 1 195 0 <1 2 2 2 2 0
Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	scalar scalar ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >.2 203 109 0.4 0.4 0 33 1352	NORML NORML NEG <1 34 1 0 <1 <1 <1 11 545	NORML NORML NEG 1 197 0 <1 2 3 3 0 1170	NORML NEG 1 195 0 <1 2 2 2 0 1235
Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >.2 203 109 0.4 0 33 1352 11	NORML NORML NEG <1 34 1 0 <1 <1 <1 11 545 0	NORML NORML NEG 1 197 0 <1 2 3 0 0 1170 14	NORML NEG 1 195 0 <1 2 2 2 2 0 1235 7
Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	scalar scalar ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >.2 203 109 0.4 0.4 0 33 1352	NORML NORML NEG <1 34 1 0 <1 <1 <1 11 545	NORML NORML NEG 1 197 0 <1 2 3 3 0 1170	NORML NORML NEG 1 195 0 <1 2 2 2 2 0 1235

C

F

Contact/Location: SCOTT SULLIVAN - MSCDUR





SULLIVAN EASTERN INC 2860 C SLATER RD MORRISVILLE, NC ridge US 27560 Contact: SCOTT SULLIVAN ssullivan@sullivaneastern.com T: (919)484-8993 (JCGM 106:2012) F: (919)484-2136



Received

Tested

: 13 May 2024

: 14 May 2024

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

Laboratory

Sample No.

Lab Number : 06177580

: WC0924588

Contact/Location: SCOTT SULLIVAN - MSCDUR Page 2 of 2