

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL



Machine Id MACK V111 Component Rear Differential Fluid GEAR OIL SAE 80W140 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

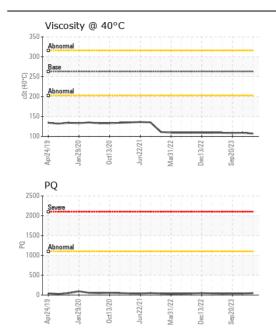
FLUID CONDITION

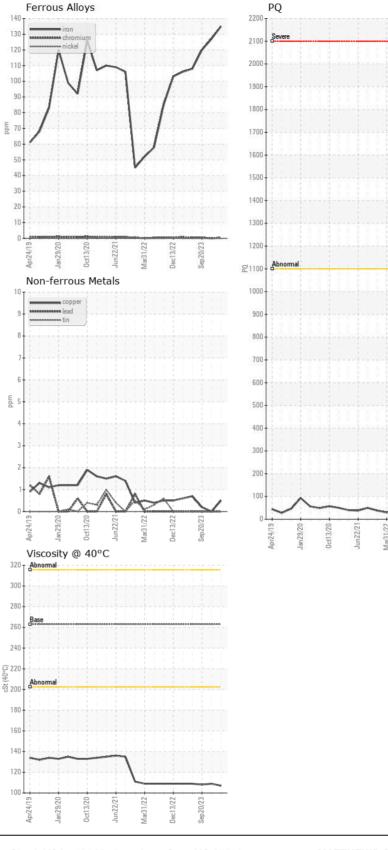
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0219553	JR0178537	JR0178289
Sample Date		Client Info		12 Jun 2024	28 Dec 2023	20 Sep 2023
Machine Age	mls	Client Info		120166	113606	0
Oil Age	mls	Client Info		17340	5780	29578
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Change
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>1100	49	38	40
Iron	ppm	ASTM D5185m	>1200	135	127	120
Chromium	ppm	ASTM D5185m	>8	<1	0	<1
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m	>4	0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	3	0	<1
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	0	<1
Tin	ppm	ASTM D5185m	>5	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>230	9	8	9
Potassium	ppm	ASTM D5185m	>20	1	<1	2
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		1	2	2
Boron	ppm	ASTM D5185m	400	285	293	361
Barium	ppm	ASTM D5185m	200	0	0	0
Molybdenum	ppm	ASTM D5185m	12	0	0	0
Manganese	ppm	ASTM D5185m		3	2	3
Magnesium	ppm	ASTM D5185m	12	0	0	<1
Calcium	ppm	ASTM D5185m	150	0	0	<1
Phosphorus	ppm	ASTM D5185m	1650	1349	1367	1337
Zinc	ppm	ASTM D5185m	125	3	0	6
Sulfur	ppm	ASTM D5185m	22500	21206	24101	27724
Visc @ 40°C	cSt	ASTM D445	263	107	109	108
			<u> </u>		T 1 OF 1	

Report Id: MATROC [WUSCAR] 06226558 (Generated: 07/03/2024 13:33:31) Rev: 1

Contact/Location: Tad Clinton - MATROC





MATTHEWS CONSTRUCTION Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : JR0219553 Received 127 GRAYSON RD : 02 Jul 2024 Lab Number : 06226558 Tested ROCK HILL, SC : 03 Jul 2024 Unique Number : 11110051 : 03 Jul 2024 - Wes Davis US 29732 Diagnosed Test Package : CONST (Additional Tests: PQ) Contact: Tad Clinton Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. tclinton@matthewsconstructionco.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (803)207-5607 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Contact/Location: Tad Clinton - MATROC Page 2 of 2

Jec13/22