

Machine Id							
Component							
Fluid							
TRC MOLY ULTRA-TEC GEAR OIL 85W140 (GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number		Client Info		TR0001375	TR0000630	
	Sample Date		Client Info		09 Jan 2024	15 Jan 2023	
	Machine Age	hrs	Client Info		4203	0	
	Oil Age	hrs	Client Info		4203	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Not Changd	N/A	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				ABNORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>500	89	173	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	<1	1	
	Nickel	ppm	ASTM D5185m	>10	0	<1	
	Titanium	ppm	ASTM D5185m		0	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>25	2	3	
	Lead	ppm	ASTM D5185m	>25	0	<1	
	Copper	ppm	ASTM D5185m	>100	0	1	
	Tin	ppm	ASTM D5185m	>10	<1	<1	
	Vanadium	ppm	ASTM D5185m	NONE	0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION Elemental level of silicon (Si) above normal indicating ingress of seal material.	Silicon	ppm	ASTM D5185m	>75	9 0	48	
	Potassium	ppm	ASTM D5185m	>20	1	1	
	Water		WC Method	>.2	NEG	NEG	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>.2	NEG	NEG	
					_	<u>^</u>	
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM DE105m		1	0	
	Borium	ppm	ASTM D5105m		203	252	
	Molybdonum	ppm	ASTM D5185m		0	-1	
	Mangapasa	ppm	ΔSTM D5185m		3	10	
	Manganese	ppm	ASTM D5185m		0	-1	
	Calcium	nnm	ASTM D5185m		21	10	
	Phosphorus	nnm	ASTM D5185m		1201	1340	
	Zinc	nnm	ASTM D5185m		6	16	
	Sulfur	ppm	ASTM D5185m		21931	25056	
	Acid Number (AN)	ma KOH/a	ASTM D8045		1.54	2.22	

Visc @ 40°C cSt ASTM D445

Visc @ 100°C cSt ASTM D445 30

Viscosity Index (VI) Scale ASTM D2270 105

14.6

290

25.4

113



Sample No. : 12 Jan 2024 P.O. BOX 23283 : TR0001375 Recieved Lab Number BULLHEAD CITY, AZ :06060379 Diagnosed : 16 Jan 2024 : 10831761 Diagnostician : Don Baldridge US 86439 **Unique Number** Test Package : MOB 2 (Additional Tests: KV100, VI) Contact: SERVICE MANAGER Certificate L2367 snsmaterials1@gmail.com To discuss this sample report, contact Customer Service at 1-800-827-0711. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: F: (928)754-1991 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Submitted By: SNS INVENTORY

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