

Machine Id

Machine Id VRV-2 (S/N 5258X644)							
Component							
Fluid							
TULCO LUBSOIL LPG WS 150 (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
RECOMMENDATION	Sample Number	00101	Client Info	LITTIUAUT	TO10002679		
We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.	Sample Date		Client Info		07 Jul 2024		
	Machine Age	hrs	Client Info		0		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				ABNORMAL		
WEAR	Iron	nnm	ASTM D5185m	<u>\</u> 50	2		
WEAN	Chromium	ppm ppm	ASTM D5185m		0		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	210	ہ <1		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>25	<1		
	Lead	ppm	ASTM D5185m	>25	<1		
	Copper	ppm	ASTM D5185m	>50	<1		
	Tin	ppm	ASTM D5185m	>15	<1		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	<1		
	Potassium	ppm	ASTM D5185m		5		
The amount and size of particulates present in the system are acceptable.	Water	%	ASTM D6304		0.862		
	ppm Water	ppm	ASTM D6304		8622		
	Particles >4µm		ASTM D7647	>10000	A 39935		
	Particles >6µm		ASTM D7647	>1300	🔺 11769		
	Particles >14µm		ASTM D7647	>320	607		
	Particles >21µm		ASTM D7647		🔺 99		
	Particles >38µm		ASTM D7647		2		
	Particles >71µm		ASTM D7647		0		
	Oil Cleanliness	agalar	ISO 4406 (c)	>20/17/15	A 22/21/16		
	Silt Debris	scalar scalar	*Visual *Visual	NONE NONE	NONE NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water		*Visual	>2.26	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		<1		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m	0	0		
	Manganese	ppm	ASTM D5185m	0	0		
	Magnesium Calcium	ppm	ASTM D5185m		<1 0		
	Phosphorus	ppm	ASTM D5185m ASTM D5185m		0 1		
	Zinc	ppm ppm	ASTM D5185m		0		
	Sulfur	ppm	ASTM D5185m		225		
	Acid Number (AN)			0	0.05		

Acid Number (AN) mg KOH/g ASTM D8045

Visc @ 100°C cSt

Visc @ 40°C cSt ASTM D445 151

Viscosity Index (VI) Scale ASTM D2270 224

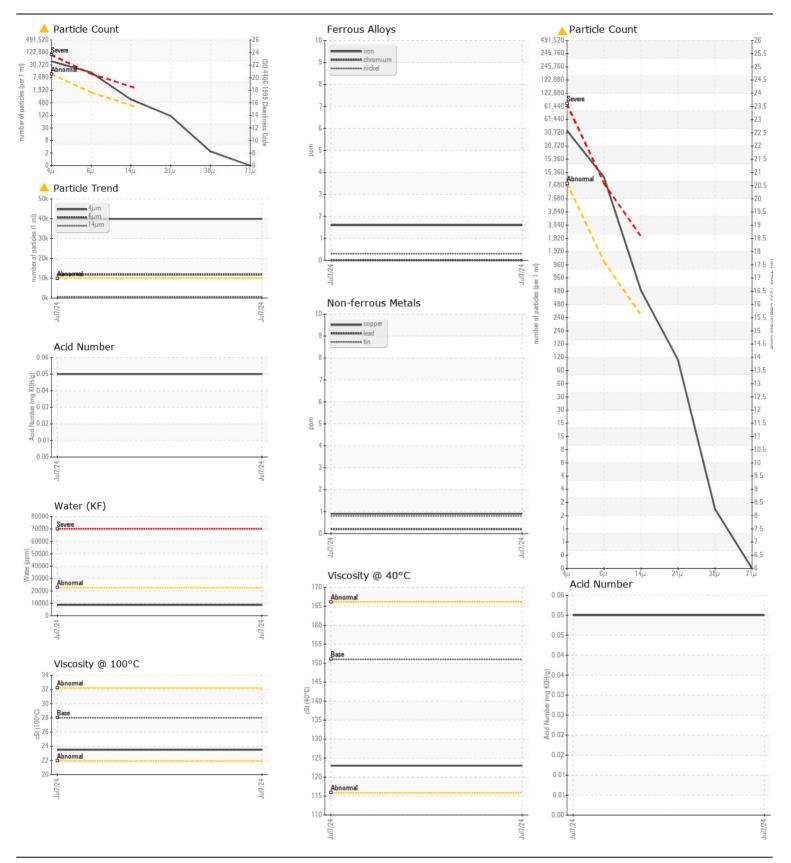
ASTM D445 28

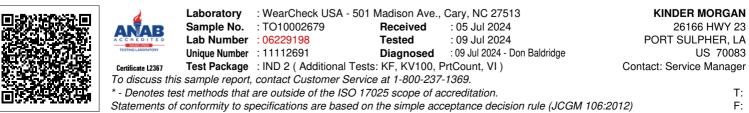
0.05

123

23.5

223





Contact/Location: Service Manager - KINPORLA Page 2 of 2