

IRON SHORING

100-028

Kelly Winch

GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

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		LH0286935		
Sample Date		Client Info		03 Apr 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		N/A		
Sample Status				NORMAL		
PQ		ASTM D8184*		163		
Iron	ppm	ASTM D5185(m)	>150	411		
Chromium	ppm	ASTM D5185(m)	>10	5		
Nickel	ppm	ASTM D5185(m)	>10	2		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>5	<1		
Lead	ppm	ASTM D5185(m)	>15	0		
Copper	ppm	ASTM D5185(m)	>80	<1		
Tin	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Silicon	ppm	ASTM D5185(m)	>25	2		
Potassium	ppm	ASTM D5185(m)	>20	2		
Water	1-1-	WC Method	>0.2	NEG		
Silt	scalar	Visual*	NONE	VLITE		
Debris	scalar	Visual*	NONE	VLITE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified Water	scalar	Visual*	>0.2	NEG		
Sodium	ppm	ASTM D5185(m)	>170	2		
Boron	ppm	ASTM D5185(m)	400	1		
Barium	ppm	ASTM D5185(m)	200	<1		
Molybdenum	ppm	ASTM D5185(m)	12	0		
Manganese	ppm	ASTM D5185(m)		3		
Magnesium	ppm	ASTM D5185(m)	12	<1		
Calcium	ppm	ASTM D5185(m)	150	49		
Phosphorus	ppm	ASTM D5185(m)	1650	689		
Zinc	ppm	ASTM D5185(m)	125	57		
Sulfur	ppm	ASTM D5185(m)	22500	16361		
Vice @ 10°C	~C+	ACTM D7070(m)	140	100		

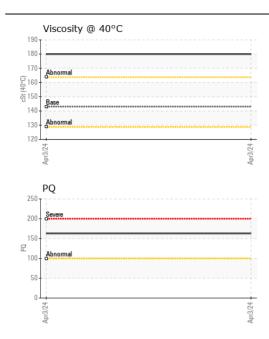
ASTM D7279(m) 143

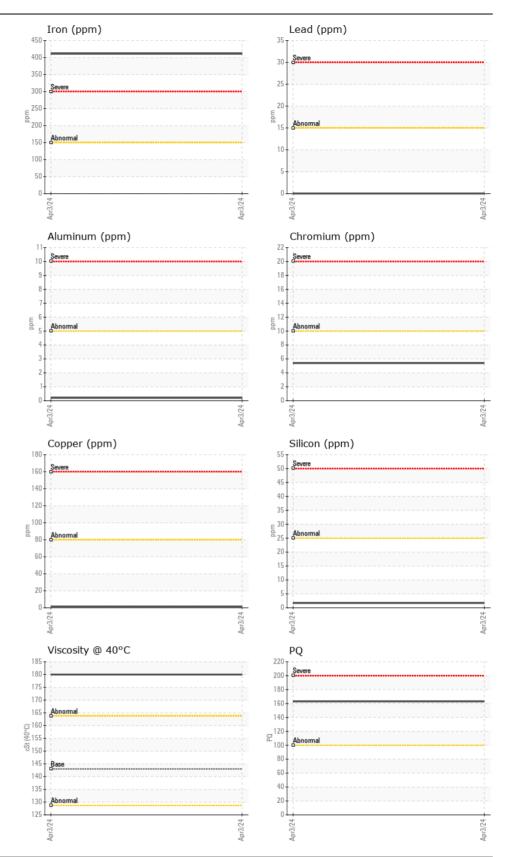
Visc @ 40°C

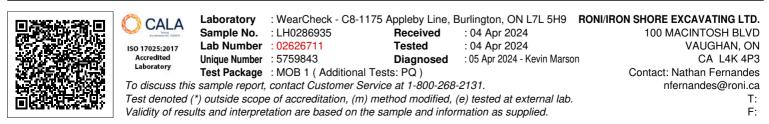
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Contact/Location: Nathan Fernandes - RONVAU

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