

**OIL ANALYSIS REPORT** 

Tenaris/Algoma FK381-R

Component **Lube System** Fluid

LUBE B (--- GAL)

Sample Rating Trend



### Recommendation

This is a baseline read-out on the submitted sample.

### Wear

Iron ppm levels are noted.

## Contamination

{not applicable}

# **Fluid Condition**

{not applicable}

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Batch #		Client Info		FK381-R		
Machine ID		Client Info		Sales		
Department		Client Info		Machine		
Sample From		Client Info		Final		
Production Stage		Client Info		10/12/2023		
Sample Number		Client Info		E30000509		
Sample Date		Client Info		12 Oct 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		

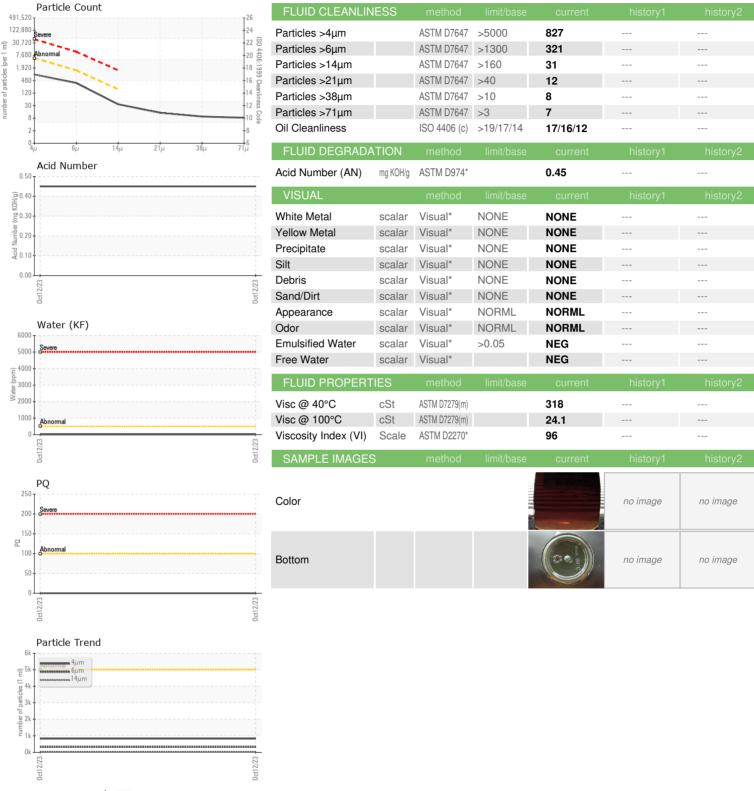
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0		
Iron	ppm	ASTM D5185(m)	>20	21		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>20	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		<1		
Aluminum	ppm	ASTM D5185(m)	>20	<1		
Lead	ppm	ASTM D5185(m)	>20	0		
Copper	ppm	ASTM D5185(m)	>20	<1		
Tin	ppm	ASTM D5185(m)	>20	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Poron	nnm	ACTM DE10E(m)		4		

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		4		
Barium	ppm	ASTM D5185(m)		<1		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		<1		
Calcium	ppm	ASTM D5185(m)		16		
Phosphorus	ppm	ASTM D5185(m)		196		
Zinc	ppm	ASTM D5185(m)		9		
Sulfur	ppm	ASTM D5185(m)		8688		
Lithium	ppm	ASTM D5185(m)		<1		

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	1		
Sodium	ppm	ASTM D5185(m)		4		
Potassium	ppm	ASTM D5185(m)	>20	0		
Water	%	ASTM D6304*	>0.05	0.001		
ppm Water	ppm	ASTM D6304*	>500	12.3		



# **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number **Unique Number** 

: 5658473

: E30000509 : 02589407

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received Diagnosed

: 16 Oct 2023 : 18 Oct 2023 Diagnostician : Tatiana Sorkina

Test Package : IND 2 (Additional Tests: KF, KV100, PQ, TAN Man, VI)

Cobourg, ON **CA K9A 5H5** Contact: Aylwin Lee aylwinlee@e360s.ca T: (905)372-2251 F: (905)373-4950

640 Victoria Street

Environmental 360 Solutions Ltd.

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

Validity of results and interpretation are based on the sample and information as supplied.