

OIL ANALYSIS REPORT

Sample Rating Trend



DIRT

Machine Id
DOMINATOR

Component
Gearbox

Fluid
DARMEK 9140 ISO 220 (8 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Gear wear is indicated. All other component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material.

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	TO60001520	---	---
Sample Date	Client Info	10 Jan 2024	---	---
Machine Age	hrs	0	---	---
Oil Age	hrs	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2	
PQ	ASTM D8184	72	---	---	
Iron	ppm	ASTM D5185m	>200	▲ 436	---
Chromium	ppm	ASTM D5185m	>15	3	---
Nickel	ppm	ASTM D5185m	>15	<1	---
Titanium	ppm	ASTM D5185m		0	---
Silver	ppm	ASTM D5185m		0	---
Aluminum	ppm	ASTM D5185m	>25	3	---
Lead	ppm	ASTM D5185m	>100	0	---
Copper	ppm	ASTM D5185m	>200	5	---
Tin	ppm	ASTM D5185m	>25	0	---
Vanadium	ppm	ASTM D5185m		0	---
Cadmium	ppm	ASTM D5185m		0	---

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		128	---
Barium	ppm	ASTM D5185m		6	---
Molybdenum	ppm	ASTM D5185m		646	---
Manganese	ppm	ASTM D5185m		2	---
Magnesium	ppm	ASTM D5185m		0	---
Calcium	ppm	ASTM D5185m		4	---
Phosphorus	ppm	ASTM D5185m		1885	---
Zinc	ppm	ASTM D5185m		290	---
Sulfur	ppm	ASTM D5185m		24166	---

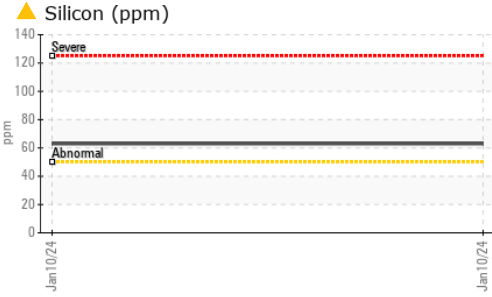
CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>50	▲ 63	---
Sodium	ppm	ASTM D5185m		2	---
Potassium	ppm	ASTM D5185m	>20	3	---

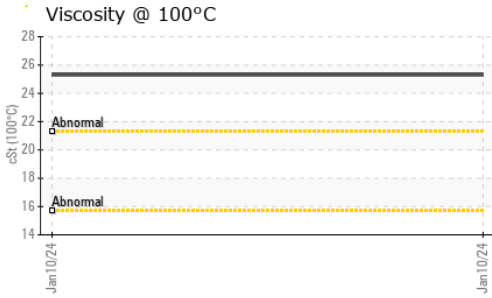
VISUAL

method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

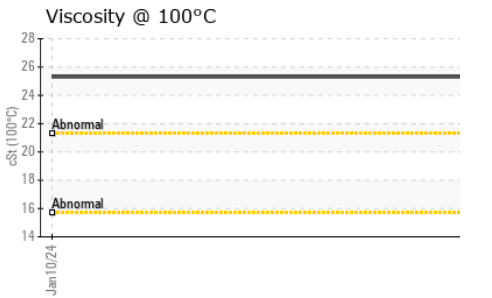
OIL ANALYSIS REPORT



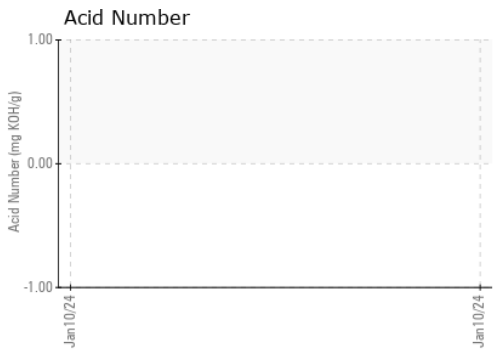
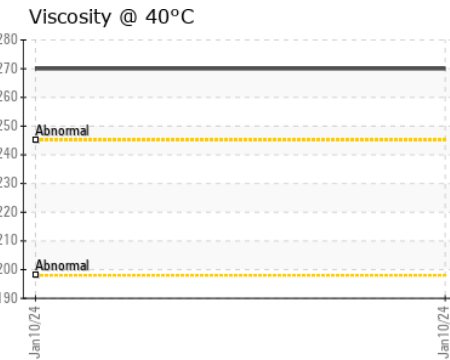
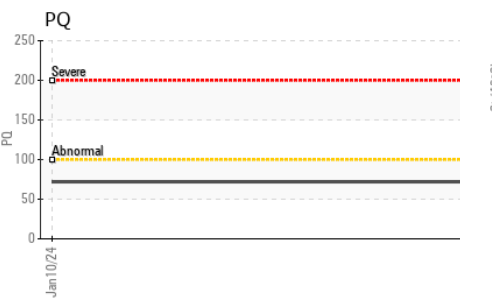
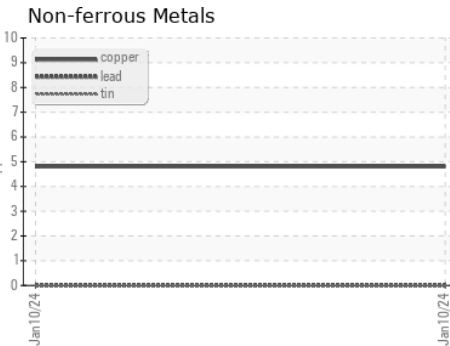
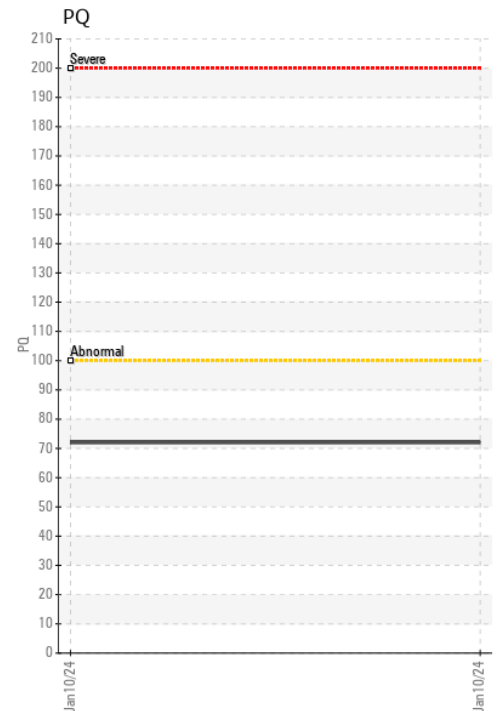
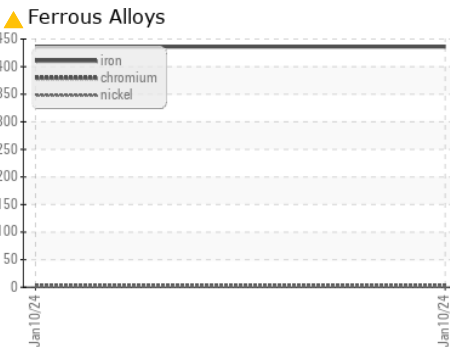
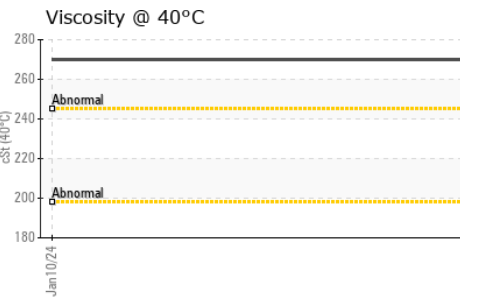
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	270	---	---
Visc @ 100°C	cSt	ASTM D445	25.3	---	---
Viscosity Index (VI)	Scale	ASTM D2270	120	---	---



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO60001520 **Received** : 17 Jan 2024
Lab Number : 06063904 **Diagnosed** : 20 Jan 2024
Unique Number : 10835286 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KV100, PQ, VI)

KINGS DOMINION
 16000 THEME PARK DR, I-95 AT STATE RD 30
 DOSWELL, VA
 US

Contact: RICHARD GREER
 richard.greer@kingsdominion.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:
F: