



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	ATTENTION

Secteur

3000 series

Identité de la machine

Navistar 3288

Composant

Moteur diesel

Fluide

PETRO CANADA DURON SHP 10W30 (26 LTR)

RECOMMENDATION

Check for low coolant level. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0836036	WC0787345	WC0787324
Date d'échant.		Client Info		06 Sep 2023	20 Apr 2023	28 Feb 2023
Âge d la Machine	mls	Client Info		479960	457379	439024
Âge de l'huile	mls	Client Info		22581	18355	22190
Âge du filtre	mls	Client Info		22581	18355	22190
Huile changée		Client Info		Changed	Changed	Changed
Filtre changé		Client Info		Changed	Changed	Changed
Statut de l'échant.				ATTENTION	NORMAL	NORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>75	46	12	19
Chrome	ppm	ASTM D5185(m)	>5	1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titane	ppm	ASTM D5185(m)	>2	0	<1	<1
Argent	ppm	ASTM D5185(m)	>2	<1	0	0
Aluminium	ppm	ASTM D5185(m)	>15	12	2	5
Plomb	ppm	ASTM D5185(m)	>25	3	1	<1
Cuivre	ppm	ASTM D5185(m)	>100	3	3	2
Étain	ppm	ASTM D5185(m)	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

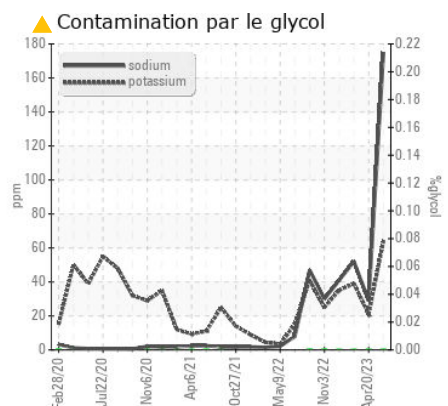
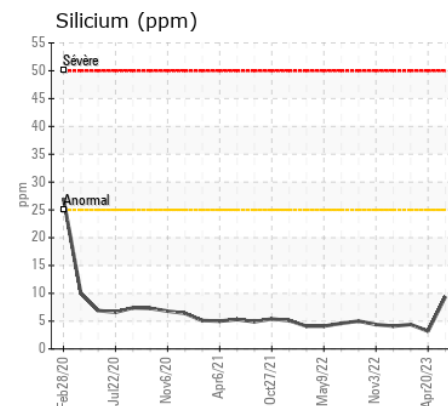
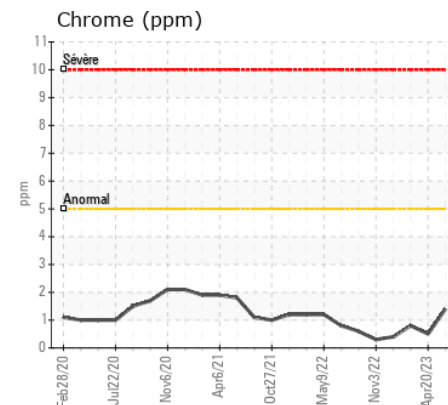
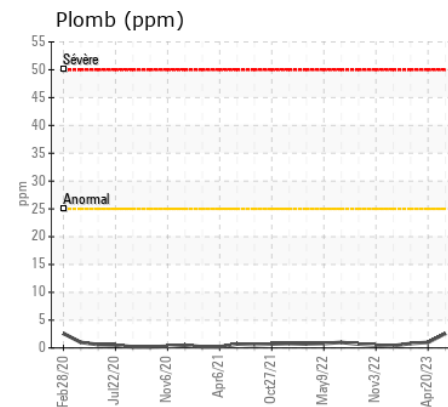
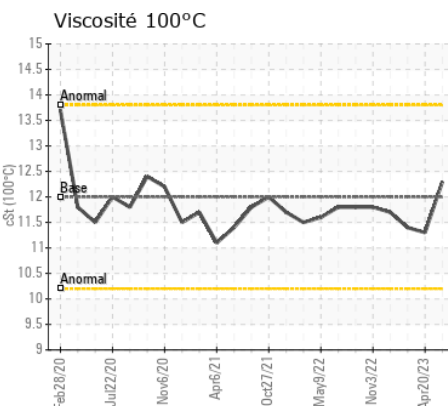
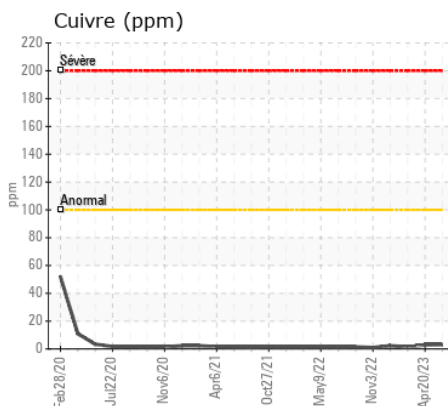
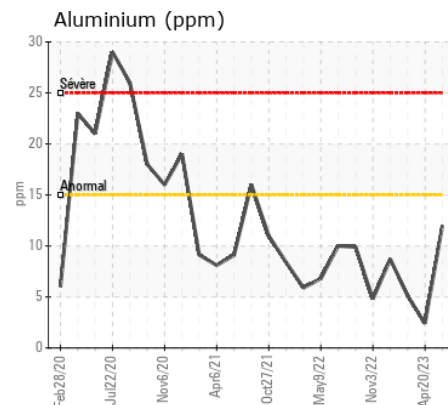
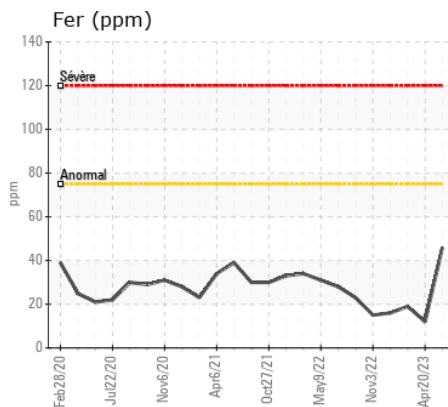
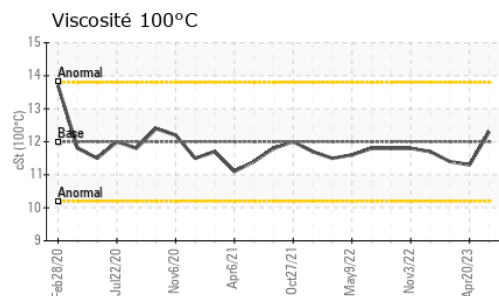
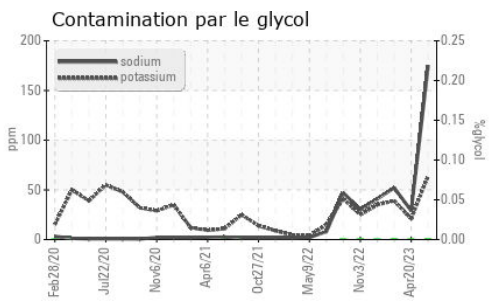
Water treatment chemicals present, indicating slow coolant leak. Test for glycol is negative. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	9	3	4
Potassium	ppm	ASTM D5185(m)	>20	64	21	39
Essence		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol	%	ASTM D7922*		0.0	0.0	0.0
% de suie	%	ASTM D7844*	>6	0.5	0.1	0.3
Nitration	Abs/cm	ASTM D7624*	>20	13.7	10.8	11.1
Sulfatation	Abs/.1mm	ASTM D7415*	>30	24.0	20.9	21.7
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

The condition of the oil is acceptable for the time in service (see recommendation).

Sodium	ppm	ASTM D5185(m)		▲ 175	29	52
Bore	ppm	ASTM D5185(m)	2	6	1	3
Baryum	ppm	ASTM D5185(m)	0	<1	0	0
Molybdène	ppm	ASTM D5185(m)	50	70	62	65
Manganèse	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	980	967	991
Calcium	ppm	ASTM D5185(m)	1050	1110	1129	1216
Phosphore	ppm	ASTM D5185(m)	995	991	1080	1085
Zinc	ppm	ASTM D5185(m)	1180	1261	1229	1273
Soufre	ppm	ASTM D5185(m)	2600	2419	2537	2568
Oxydation	Abs/.1mm	ASTM D7414*	>25	23.0	19.6	19.8
Visc 100°C	cSt	ASTM D7279(m)	12.00	12.3	11.3	11.4



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0836036
N° de laboratoire : 02589256
Numéro unique : 5658322
Analyse : MOB 1 (Additional Tests: Glycol)

MANITOU LIN TRANSPORT

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Pour discuter ce rapport, contacter le service à la clientèle au 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.